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ABSTRACT

This update to the three-volume first edition of the "Rehab/Education ResourceBook Series" describes special software and products pertaining to communication, control, and computer access, designed specifically for the needs of disabled and elderly people. The 22 chapters cover: speech aids; pointing and typing aids; training and communication initiation aids; non-electronic communication aids; electronic communication and writing aids; telecommunication devices for the deaf; switches and controls; environmental controls; call, monitoring, and memory systems; modifications for standard keyboards; alternate inputs usable with all software; input devices usable with only some software; input adapters for computers; alternate display systems usable with all software; Braille printers and tactile display components; speech synthesizers; administration and management software; assessment software; education, training, and therapy software; recreation software; and personal tools or aids. Each entry lists the product and vendor's name, computers for which the product is available, a photograph (if available), and a short description. Appendix A lists other resources, such as computer assessment and training programs, newsletters, publications, service centers, etc., and Appendix B contains a glossary. (JDD)

Rehab/Education ResourceBook Series:

Communication, Control and Computer Access for Disabled and Elderly Individuals

ResourceBook 4:

Update to Books 1, 2, and 3

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This is ResourceBook® 4 of the Rehab/Education ResourceBook® Series. It is a supplemental update, containing only product descriptions not contained in volumes 1 - 3. The cross reference indexes include all of the products in all four volumes of the series.

Other books in the series are:

- ResourceBook® 1: Communication Aids
- ResourceBook® 2: Switches and Environmental Controls
- ResourceBook® 3: Software and Hardware

Rehab/Education ResourceBook Series:

Communication, Control and Computer Access for Disabled and Elderly Individuals

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ResourceBook 4:

Update to Books 1, 2, and 3

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[LOGO]

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Peter Borden
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Preface: How to Use this Book

Overview

The application of technology in the areas of augmentative communication, special education and rehabilitation is continually growing and changing. Private industries and public research institutions are always seeking new ways of addressing the special needs of elderly people and people with disabilities. Fortunately, their work has borne considerable fruit. Unfortunately, it can be a bewildering task to keep track of what has been developed.

This book is for anyone who needs to know "what's out there": people with disabilities, parents, rehabilitation professionals, educators, administrators, therapists. The intent of the *Rehab/Education ResourceBook Series* is to help you understand and be able to locate useful tools quickly and efficiently, so you can devote your time and energy to applying them successfully. This volume lists products pertaining to communication, control, and computer access, as well as special software. For each product we have provided a vendor's name, a few basic facts about it, a photograph (if available and relevant), and a short description.

This is a Companion Volume

A year has passed since the publication of the first edition (Volumes 1-3) of the *Rehab/Education ResourceBook Series*, and the quantity of products available for communication, control, and computer access continues to grow. This volume is an update to the first three volumes, containing only products that were not listed in last year's books. Some were developed and put on the market during the past year; others were around before but we have only recently learned of their existence.

This update covers all of the types of products that were listed in all three of the previous volumes. The chapter titles are also the same and the chapters appear in the same order, although in this volume they are numbered straight through from 1 to 22.

This Book Includes Special Devices and Software

Like Volumes 1-3, this ResourceBook lists products designed specifically for the needs of people with disabilities or elderly people. We recognize that there are a large number of products designed for the general public that can be useful to people with disabilities or elderly people. We cannot list these due to the volume of material they represent. The one exception to this rule is in the area of products–either hardware or software–which provide access to computers (Chapters 10 - 17). Some were designed for non-disabled computer users but provide a clear enough advantage to certain disabled computer users that we have decided to include them in the ResourceBook.

What You'll Find in this Book

Each section of this book contains products designed for different basic purposes. Part 1 covers "communication." This includes products primarily designed as aids to communication, both electronic and non-electronic. It includes aids that supplement speech or replace speech, as well as products that help with the process of non-speech communication. Some products in Parts 2 and 3 can aid in this process as well (you can find these using the "Special Indexes" described below).

Part 2 covers "control." It includes special switches–which can be used to control many of the products in all three parts of the book–plus environmental controls and calling devices. Part 3 covers "computer access." Chapters 10 - 17 list products which provide disabled people with access to computers. Chapters 18 - 22 list special software written specifically for the needs of disabled people.

Be sure to check the title page of each chapter for an explanation of what types of products are in that chapter.

Special Indexes Help You Find Products that Meet Special Needs

Indexes 1-6 in the back of this book are designed to help you in your search for products that meet specific needs. These indexes contain ALL of the products listed in ALL FOUR volumes of the ResourceBook Series. They allow you to search for products by certain characteristics. They won't necessarily provide you with one or two "perfect choices," but they can help you to narrow down your choices, after which you can check the individual product descriptions to see which ones might be useful to you. You should then contact the maker of the product (see Index 5 for addresses) to ask any questions you may have about the product and to obtain detailed pricing and ordering information.

Index 1 lists products by functions; Index 2 lists products (except switches) by their input and output features; Index 3 lists switches by their input and output features; Index 4 lists products by computer; Index 5 lists products by manufacturer, and provides manufacturer's addresses; and Index 6 lists all of the products alphabetically. The Index pages have been color-coded to make them easier to locate.

The title page of each index provides directions on using the index. The following page provides a list of the categories, or "codes," by which products are classified in that index. If you want to know what a particular function or feature code means, turn to that code in the index. There you will find a short description of what that code covers, along with a list of all the products that it applies to.

Products Are Not Indexed by Disability

Products are not indexed by disability since we believe that this is not a useful approach. While some products are clearly for the visually impaired, nonvocal, physically impaired, etc., many products could be used by people with any disability, just as standard software can be useful to people with disabilities as well as the non-disabled. For these reasons we believe that emphasis should move away from etiology labels and toward a concentration on the functions a person desires, and the input and output features required to make those functions accessible to that person.

Additional Sources of Information Are Also Provided

Although information on products can be extremely useful in making decisions about adaptive or assistive systems, there will probably be other information you need as well. Appendix A provides lists of other resources and contacts that you may want to pursue in order to find the right solution for a particular situation. The appendix is divided into several lists, with titles such as "Computer Assessment and Training Programs," "Newsletters and Publications," and "Service Centers for Augmentative Communication and Computer Access." For the titles of these lists, check the Detailed Table of Contents at the beginning of this volume or the title page of Appendix A. If you locate a particularly knowledgeable resource that we do not have listed, please inform us or encourage the organization to send information to the Trace Center, so that we can cite them in future editions of the *Rehab/Education ResourceBook Series.*

Appendix B is a glossary of special vocabulary used in product descriptions. In some cases a definition represents universal usage in the field; in other cases it is provided to clarify the use of a term in this book. The Glossary is not intended to be a comprehensive one for the field, only a useful adjunct to the product descriptions in this ResourceBook.

A Caution: We Make No Endorsements

The information contained in product entries is not evaluative, and inclusion in these books does not imply recommendation or endorsement. We have made every effort to make the entries consistent and informative. But because we are not able to use every product ourselves, a description includes only what the product is designed to do, not how effectively the product does it. The product descriptions have been written based upon information provided by the manufacturers. The entries, including prices, were confirmed as of November 1987.

This Volume Is One Component in Your Complete Search for Answers

Remember, no product will work for you unless it is not only selected properly but implemented successfully. If you do not have a lot of experience with the technology, be sure to seek out as many people to help you as you can find. Besides resources such as those listed in Appendix A, you may wish to contact vocational rehabilitation agencies, local school systems, hospitals, and private rehabilitation firms to determine if they have the necessary background and expertise in the areas of technology that you are interested in. If you explore every possible avenue then your search should be rewarding.

Update Form

If you have information on new products or products we have missed, please let us know so that we can include them in future editions of the ResourceBook Series. See the cross-reference indexes in this volume for example of the indexing information requested below. Copy this page and mail to:

Trace R&D Center
Information Project
S-151 Waisman Center
University of Wisconsin-Madison
1500 Highland Avenue
Madison, WI 53705

Or give us a call at 608/263-5408.

NAME OF PRODUCT: ______________________________

MANUFACTURER: ______________________________

COST: ______________________________

FUNCTION(S): ______________________________

ALL LEADS:

INPUT TYPE: ______________________________

INPUT METHOD: ______________________________

INPUT DISPLAY SYMBOL SYSTEM: ______________________________

IF SWITCH, OR ALLOWS SWITCH INPUT, NUMBER OF SWITCHES: ______________

ANY INPUT ACCELERATION OR EXPANSION TECHNIQUE? _____ YES ____ NO

IF SO, DESCRIBE: ______________

OUTPUT FORM: ______________

DESCRIPTION: ______________________________

____

____

____

IF APPLICABLE:

COMPUTER(S): ______________

DOS: ______________ MEDIUM: ______________

MANUAL FORM, LENGTH: ______________________________

SIZE: ______________ WEIGHT: ______________

POWER SOURCE: ______________ ACTIVATION PRESSURE: ______________

CONNECTOR TYPE: ______________________________

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Chapter 3: Training and Communication Initiation Aids ____ 13

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Chapter 4: Non-Electronic Communication Aids ____ 27

All communication aids which do not involve any electricity.

Chapter 5: Electronic Communication and Writing Aids ____ 35

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Part II: Switches and Environmental Controls

Chapter 7: Switches and Controls ____ 47

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Chapter 1

Speech Aids

This chapter includes prosthetic and orthotic oral speech systems. Basically, these are devices which make oral speech possible for a person for whom oral speech would otherwise be difficult, impossible, or hard to understand. These should not be confused with communication aids, which supplement or replace oral speech with some other mode of communication, such as pointing to pictures or typing on a portable computer.

Devices that fit in the category of speech aids include: artificial larynges, speech adaptations for tracheostomies speech clarifiers, and speech amplifiers (including speech amplifiers in a telephone handset). Hearing aids and telephone amplifiers for hearing impaired people are not included in this ResourceBook.

The products in this chapter are listed under various "function" codes in the first cross-reference index in the back of this volume. Related function codes include: Artificial Larynx (AL), Voice Amplifier (VA), and Speech Aid (SA).

Chapter 1: Speech Aids

The following product entries appear in this chapter:

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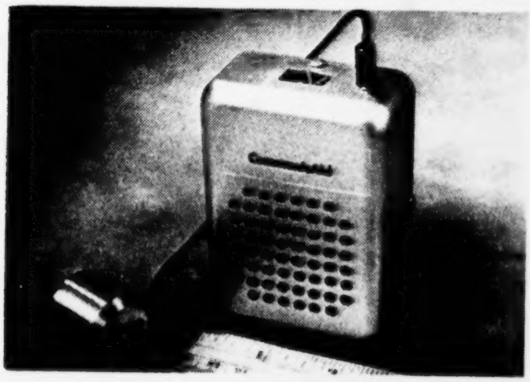
Edinburgh Masker *4-3*
Electronic Voice Synthesizer *4-3*
Osaka Speech Aid *4-4*
Park Electronic Artificial Larynx *4-4*
Park Speech Amplifier *4-4*
Passy-Muir Tracheostomy Speaking Valve *4-5*
SERVOX Inton *4-5*
Tokyo Speech Aid *4-5*

The following product entries appear in the corresponding chapter in Book 1:

Amplified Transmitter Handsets *1-3*
Cooper Rand Electronic Speech Aid *1-3*
Electronic Artificial Larynx *1-3*
Handset for Speech Amplification *1-4*
Neovox *1-4*
P.O. Vox *1-4*
P.O. Vox Companion *1-5*
Rand Voice Amplifier *1-5*
Servox *1-5*
Venti-Voice *1-6*
Voicette *1-6*



Product Name: CommunicAid

Vendor: Mann, A.R.

Size: 3.5" x 2.5" x 1.13"

Weight: 6 oz.

Power Source: 9V battery

Cost: $90.00 - $162.50

CommunicAid is a small portable amplifier designed to increase the volume of a person's speech. The user holds a small microphone up to his mouth, and speaks into it. The microphone connects to a small amplifier unit about the size of a cigarette pack. The amplifier unit broadcasts the user's voice through a built-in speaker. CommunicAid is $90.00, a special "hands-free" mike is $72.50.

Product Name: Edinburgh Masker

Vendor: Foundation For Fluency, Inc.

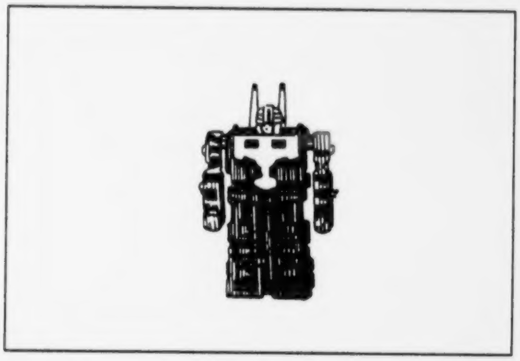
Size: 3" x 4" x 1"

Weight: 6 oz.

Power Source: 9V battery

Cost: $290.00

Edinburgh Masker is a device designed to alleviate stuttering. The user wears a pair of earmolds that transmit a loud buzzing sound to both ears whenever the user is speaking. This is designed to prevent the user from hearing his own voice. The sound generator can be turned on and off manually or automatically.



Product Name: Electronic Voice Synthesizer

Vendor: Nasta Industries

Size: 6" x 4"

Weight: 2.5 oz.

Power Source: 9V battery

Cost: $9.00

Electronic Voice Synthesizer is a toy, manufactured by Nasta Industries, Inc., that has been successfully used in applications similar to an artificial larynx. For information on where the Electronic Voice Synthesizer is sold, contact Nasta Industries. For information on its use as an artifical larynx, contact Marsha Sullivan at the University of Nebraska Medical Center, Department of Speech Pathology, (402) 559-7180.

Product Name: Osaka Speech Aid

Vendor: Artificial Speech Aids

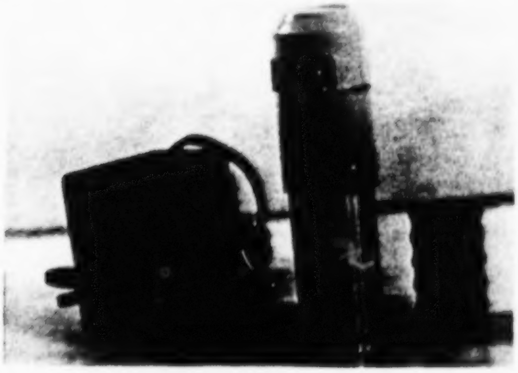
Size: 3.5" long

Weight: Less than 1 lb.

Power Source: None

Cost: $35.00

Osaka Speech Aid is a breath-powered artificial larynx designed for laryngectomees. A small cup fits over the stoma and conducts the lung wind into a unit containing a rubber diaphragm. This diaphragm vibrates, generating a tone which is then conducted through a tube into the user's mouth. The user articulates this tone into speech with the mouth and tongue. The Osaka is like the Tokyo Speech Aid, but with a higher and softer tone.



Product Name: Park Electronic Artificial Larynx

Vendor: Park Surgical Company, Inc.

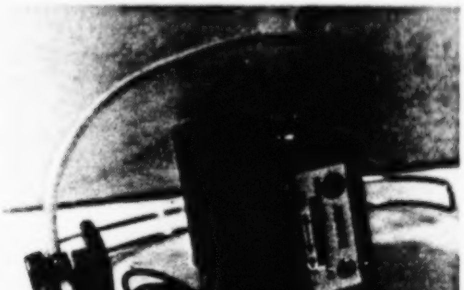
Size: 5" x 1.5" diam.

Weight: 7 oz.

Power Source: Rechargeable battery

Cost: $430.00

Park Electronic Artificial Larynx is a speaking aid that supplements lost or insufficient vocal tone. The user places a cylindrical hand-held vibrating unit against the throat. The vibrations pass up through the mouth and nasal cavities and can be articulated into speech. Volume and tone controls are located on the unit.



Product Name: Park Speech Amplifier

Vendor: Park Surgical Company, Inc.

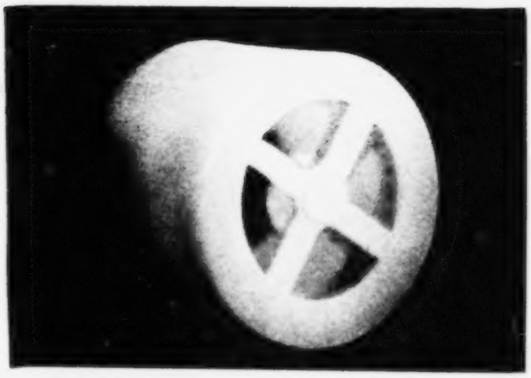
Size: 4" x 2.25" x 1.14"

Weight: 4 oz.

Power Source:

Cost: $195.00 - $225.00

Park Speech Amplifier is a small battery-powered portable amplifier. Connected to the amplifier are a microphone that the user speaks into and a speaker that broadcasts the amplified voice. Three microphone models are available: hand-held, throat, or headset.



Product Name: Passy-Muir Tracheostomy Speaking Valve

Vendor: Passy & Passy, Inc.

Size: 15 mm circumference

Weight:

Power Source:

Cost: $58.00

Passy-Muir Tracheostomy Speaking Valve is a one-way valve that attaches to a tracheostomy tube and allows the inflow and outflow of air so that the user can speak without manual occlusion. The Passy-Muir fits most standard trach tubes, and must be purchased by order of a physician. A set of two valves are included in the price.

Product Name: SERVOX Inton

Vendor: Siemens Hearing Instruments, Inc.

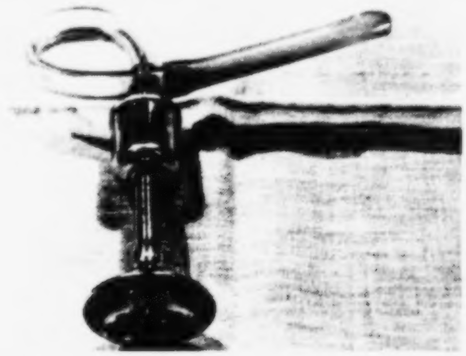
Size: 4.7" x 1.4" diam.

Weight: 6.5 oz.

Power Source: Rechargeable battery

Cost: $499.00

SERVOX Inton is an enhanced version of the SERVOX artificial larynx. The user holds the SERVOX Inton's vibrating membrane up to the throat, a tone is transmitted through the vocal tract, and the user articulates it into speech. The SERVOX Inton features soft-touch buttons, volume control and intonation capability.



Product Name: Tokyo Speech Aid

Vendor: Artificial Speech Aids

Size: 3.5" long

Weight: 6 oz.

Power Source: None

Cost: $45.00

Tokyo Speech Aid is a breath-powered artificial larynx designed for laryngectomees. A cup about the size of a quarter fits over the stoma and conducts the lung wind to a unit containing a rubber diaphragm. This diaphragm vibrates, generating a tone which is then conducted through a tube into the user's mouth. The user articulates this tone into speech with the normal movements of the mouth and tongue. The aid has a tonal range of about eight notes.

Chapter 2

Pointing and Typing Aids

This chapter includes devices whose purpose is to facilitate an individual's ability to point to objects or press keys. Headsticks, mouthsticks, and lightbeam pointers are all included. There are other devices which are useful for pointing and typing which have not been included, however, such as hand splints or typing sticks. If you are interested in sources for these types of devices, see Appendix A for a list of manufacturers and distributors of "Pointing, Typing, and Communication Accessories."

Other mechanical devices that can help in using keyboards or computers are keyguards and disk loaders. See Chapter 10 (Modifications for Standard Keyboards) and Chapter 17 (Other Software and Hardware Adaptations) for these devices. Electric page turners and telephone holders and latches are found in Chapter 8, Environmental Controls. A related function found in Index 1 (Index by Function) is Book/Paper Handling (BP).

Chapter 2: Pointing and Typing Aids

The following product entries appear in this chapter:

Adjustable Head Pointer *4-9*
Arrow Mouthstick Kit *4-9*
Light Pointer *4-9*
Model I Light Pointer *4-10*
Model II Light Pointer with Headstick *4-10*
Model III Headstick *4-10*
Vacuum Wand *4-11*

The following product entries appear in the corresponding chapter in Book 1:

AD-1 Standard Pointer *1-9*
Adjustable Head Pointer *1-9*
Adjustable Head Pointer *1-9*
Adjustable Head Pointer *1-10*
Clear-View Head Pointer *1-10*
Heyer-Abadie Modular Mouthstick *1-10*
Light Pointer *1-11*
Mouth Held Page Turners *1-11*
Mouthsticks *1-11*
Talking Beam *1-12*
Viewpoint Optical Indicator 6 *1-12*

No Photograph Available

Product Name: Adjustable Head Pointer

Vendor: J. A. Preston Corporation

Size: 19" long

Weight: 1.5 lbs.

Power Source: None

Cost: $69.50

Adjustable Head Pointer is a pointer that fastens on the head with a plastic head band, and projects out over the user's forehead. The head band and the length and angle of the pointer rod are all adjustable.

No Photograph Available

Product Name: Arrow Mouthstick Kit

Vendor: Fred Sammons, Inc.

Size: 29.5" long

Weight:

Power Source:

Cost: $85.45

Arrow Mouthstick Kit includes all the materials necessary for making mouthsticks, except the mouthpiece. The kit includes two shafts, four tips, connectors, a clamp-on docking station, a saw blade and an Allen wrench.

Product Name: Light Pointer

Vendor: Burkhart, Linda J.

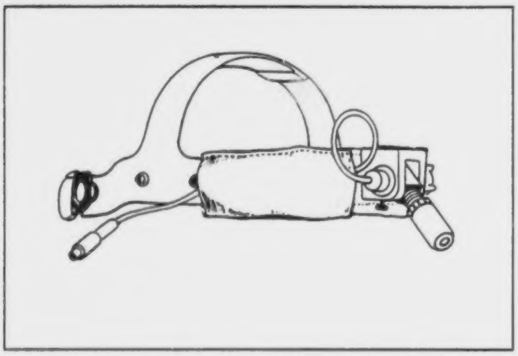
Size:

Weight:

Power Source: 9V battery

Cost: $18.95

Light Pointer is a device that projects a spot of light. The pointer is designed to be mounted on the user's head and pointed toward objects. The Light Pointer can also be used to activate the Light Activated Switch (also available from Linda Burkhart).



Product Name: Model I Light Pointer

Vendor: Jim's Instrument Manufacturing, Inc.

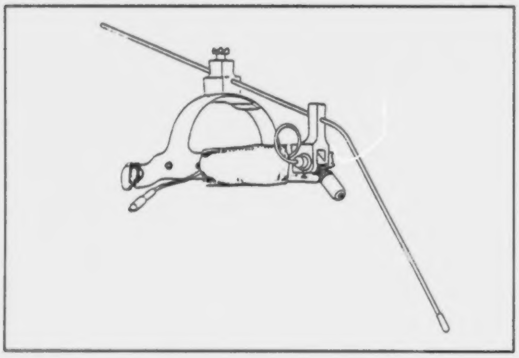
Size: 22" long

Weight: 8 oz.

Power Source: 3 "C" batteries

Cost: $285.00

Model I Light Pointer is an head-mounted lightbeam pointer. Adjustable nylon headgear holds a small, focused light. The light is positioned on the forehead and the beam shines outward and downward. The lightbeam is visible under normal room lighting, and can be used to point to objects or to selections on a communication board. The Light Pointer is powered by three rechargeable batteries. A jack is provided for connection of custom on/off switches.



Product Name: Model II Light Pointer with Headstick

Vendor: Jim's Instrument Manufacturing, Inc.

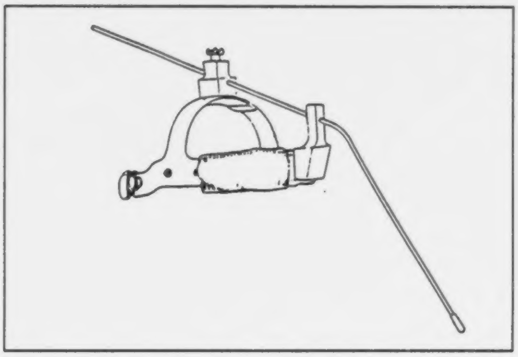
Size: 22" long

Weight: 11.5 oz.

Power Source: 3 "C" batteries

Cost: $345.50

Model II Light Pointer with Headstick is a head-mounted pointing system using both a pointing rod and a light beam. An adjustable padded nylon headset holds the mountings for both the rod and the light pointer. The rod projects out over the forehead and downward. The light pointer is positioned over the forehead and projects a concentrated light beam. The light beam is visible under normal room lighting, and can be adjusted vertically.



Product Name: Model III Headstick

Vendor: Jim's Instrument Manufacturing, Inc.

Size: 23" long

Weight: 3.5 oz.

Power Source: None

Cost: $140.00

Model III Headstick is a head-mounted rod that can be used for pointing or typing. Adjustable padded nylon headgear hold a set of brackets into which the rod is clamped. When worn, the rod projects out over the user's forehead and down in front of the face. An adjustable chin strap is available. A version of this headstick equipped with a light pointer is also available (the Model II).

No Photograph Available

Product Name: Vacuum Wand

Vendor: Fred Sammons, Inc.

Size: 18" long

Weight:

Power Source:

Cost: $22.95

Vacuum Wand is a mouthstick with a suction cup tip. The aluminum shaft can be cut to the desired length. Two interchangeable tips are provided.

Chapter 3

Training and Communication Initiation Aids

This chapter includes all electric and electronic devices which can be used to initiate communication or train individuals in the use of switches, selection techniques, and other augmentative communication skills. A variety of simple devices for training and recording switch operation are listed. These include switch activation timers and counters, switch latches, and switch adapters for battery-operated toys. Electronic communication aids with less than 32 selections are also included in this chapter because of their limited maximum vocabulary. Rotary scanners (choices arranged in a circle) and linear scanners (choices arranged in a single row) are also included. More sophisticated aids are found in Chapter 5.

Products in this chapter are cross-referenced under a number of categories in Index 1 (Index by Function). Functions related to items in this chapter include: Conversation/Interaction (CI), Environmental Control (EC), and Assessment (AS). Appendix A includes a resource listing of information on "Adaptive Toys and Toy Modifications."

The following product entries appear in this chapter:

AC Adaptor FRE-103 *4-15*
And Or Box *4-15*
Audio Control Unit Model 112 *4-16*
Battery Device Timer *4-16*
Control Unit Model 101 *4-17*
Control Unit Model 201 *4-17*
Counter Box *4-18*
Environmental Control Unit *4-18*
Invertor Module *4-19*
Keypad *4-19*
Keypad Trainer *4-20*
Multiswitch Module *4-20*
Nine Volt Battery Adaptor Module *4-21*
Puzzle Switches *4-21*
Rhythm Generator *4-22*
Series Adapter *4-22*
Steeper Communication/Teaching Aid *4-23*
Switch Latch/Timer *4-23*
TIGER Jr. *4-24*
Timer 90-1 *4-24*
Toy Adapter *4-25*

The following product entries appear in the corresponding chapter in Book 1:

Ability Switch Tester *1-15*
AbleNet Control Unit *1-15*
Active Stimulation Programmer *1-16*
Activity Board *1-16*
Battery Adapter *1-17*
Battery Device Adapter *1-17*
Battery Interface *1-18*
Clock Communicator *1-18*
Com Board *1-19*
Communiclock *1-19*
Compartmentalized Communicator *1-20*
Counter Module *1-20*
Delay Timer *1-21*
Dial Scan *1-21*
Dual Channel Latching Switch Interface *1-22*
Dual Switch Latch and Timer *1-22*
E-Tran Scanner *1-23*
Lighted Vibrating Signalling Buzzer *1-23*
Multi-Input Selector *1-24*
Perceptual Motor Trainer *1-24*
Poc-Ett System *1-25*
Push-On-Push-Off Module *1-25*
Sequential Scanner *1-26*
Small Clock Communicator *1-26*
SonomaVoice *1-27*
Speller Teller *1-27*
STIM-U-LITE *1-28*
Switch Latch *1-28*
Switch Latch *1-29*
Symbol Training Display *1-29*
Tape-A-Message *1-30*
TIGERbook *1-30*
Timer and Counter *1-31*
Timer Module *1-31*
Toy Adapter Cable *1-32*
Toy Cable *1-32*
ToyPAC *1-33*
Training Aid 2 *1-33*
Tri-Responder *1-34*
Variable Position Scanner *1-34*
Versascan *1-35*
Vibrating Sack *1-35*
Voice Mate II *1-36*
Zygo Model 16C *1-36*
Zygo Model 20 *1-37*
Zygo Model 21S *1-37*

The following products from other chapters can also be used as Training or Communication Initiation Aids:

Accularm *2-75*
Active Therapy System (ACTS) *4-164*
AllTalk *1-63*
Audible Cursor Routine *4-204*
Beeper *2-75*
Bliss Skills *4-165*
Call Bell *2-76*
Call Signal 2 *2-76*
Cause-Effect Graphics *4-167*
Communication Programs *4-205*
Computer Aids for the Blind (21 programs) *4-205*
Computer Aids for the Non-Verbal (31 programs) *4-206*
Creature Antics *4-169*
Creature Chorus *4-169*
Dinosaur Game *4-170*
Electronic Talk Board *4-207*
Environmental Control *2-52*
Environmental Control Program *4-208*
ESAM Learning System *4-171*
ESAM'S Switch Training Program *4-171*
Expanded Keyboards for Speak N' Spell *1-65*
Five Choice Toy Program *4-173*
I Can Talk *3-226*
Interaction Games *4-175*
IntroTalker *4-37*
Lighted Extra Loud Signalling Buzzer *2-79*
Lighted Signalling Buzzer *2-79*
Motor Training Games *4-185*
Multi-Scan *3-329*
Numberswitch *4-186*
Object-Picture Talk Board *4-31*
Omnibox *3-63*
Play and Match *4-187*
Point to Pictures Discrimination Kit *3-255*
Puff'N Buzzer Switch *2-81*
Rockets to the Moon *4-188*
Say-It-Simply Plus *4-39*
Scan & Speak *3-264*
SCANWOLF *1-74*
Signal Buzzer *2-82*
SimpleCom I: Yes/No Communication *3-265*
SimpleCom II: Needs/Wants Communication *3-266*
Single Switch Assessment Program *3-181*
Single-Input Assessment Software *3-182*
Talking Mitt *4-33*
Talking Pictures Series *4-191*
Talking With Your Touch Window *4-192*
Target *3-280*
This is the Way We Wash Our Face *4-193*
Touch & Speak *3-344*
Touch Com *3-183*
Wheels On The Bus *4-195*
WOLF *1-84*
Worm Squirm *4-196*
Zygo Model 4 *2-85*

Product Name: AC Adaptor FRE-103
Vendor: Creative Switch Industries
Size: 2.75" x 2" x 1.25"
Weight: 8 oz.
Power Source: 120V AC
Connector Type: Mini-phone plug
Cost: $24.50

AC Adaptor FRE-103 is a device that allows a single switch to be used to control an electrical appliance. With this adaptor, switches designed to accommodate only low power levels can be used to turn on and off appliances that run on 120 volts AC (wall power). Two outlets are provided: one is normally closed (when the switch is on the appliance is off), and the other is normally open (when the switch is on the appliance is on). The switch jack is attached to the adaptor by a six foot cord.

No Photograph Available

Product Name: And Or Box
Vendor: Creative Switch Industries
Size: 2.5" x 3.75" x 1.75"
Weight: 4 oz.
Power Source: None
Connector Type: Mini-phone plug
Cost: $28.00

And Or Box is a device that connects two switches either in series or in parallel, and in turn connects to a switch-operated device. When the switches are in parallel, activating either one will turn on the switch-operated device. In series, both switches need to be activated at the same time. The two modes are selected using a switch on top of the box.

Product Name: Audio Control Unit Model 112

Vendor: Adaptive Aids, Inc.

Size: 5.5" x 3.5" x 1.25"

Weight:

Power Source: 9V battery

Connector Type:

Cost: $80.00

Audio Control Unit Model 112 is a device that allows a single switch to control the audio signal going to earphones or a speaker. The audio signal source coming from such items as a radio or tape player is connected to the input jack, and the output jack is connected to speakers or a set of headphones. The sound is heard only when the switch is activated.

Product Name: Battery Device Timer

Vendor: AbleNet

Size: 3" x 4"

Weight: 8 oz.

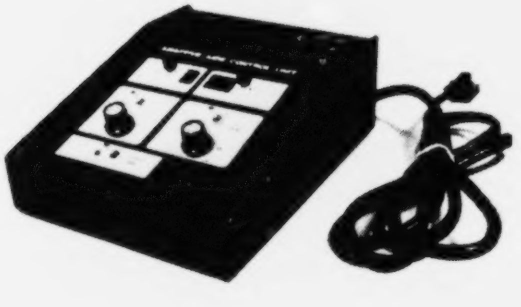
Power Source: 9V battery

Connector Type: 1/8" mini phone plug

Cost: $34.95

Battery Device Timer is a device that controls the duration of activation of a switch-operated device (2-40 seconds). A single switch is plugged into the Timer, along with the device to be controlled (such as a modified battery-operated toy). When the switch is activated for any length of time, the toy will be activated for a certain set period of time. The user can control the duration of activation with a knob on the Battery Device Timer.

The device to be controlled must be equipped to be turned on and off with a single low-power switch.



Product Name: Control Unit Model 101

Vendor: Adaptive Aids, Inc.

Size: 8.5" x 6.5" x 3.5"

Weight:

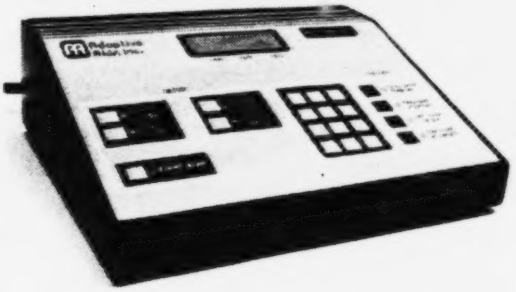
Power Source: 120 VAC

Connector Type: Mini-phone plug

Cost: $235.00

Control Unit Model 101 is a training device which adjusts the operation of a switch-controlled appliance. A single switch (low power) and the desired appliance (120 volts AC) are both connected to the Control Unit. The user can control how long the switch must be activated before the appliance will come on (from one second to two minutes), as well as how long the appliance will remain on after the switch is activated (also adjustable from one second to two minutes). The Control Unit 101 can also act as a switch inverter, so that activating the switch will cause the appliance to go off rather than on. The Model 101 also records the number of times a switch was activated during a particular session. Options are set using dials and toggle switches. The data on switch activations appears on a built-in LED display.

Contact the manufacturer about maximum power ratings for appliances connected to the Model 101.



Product Name: Control Unit Model 201

Vendor: Adaptive Aids, Inc.

Size: 8.5" x 10" x 3"

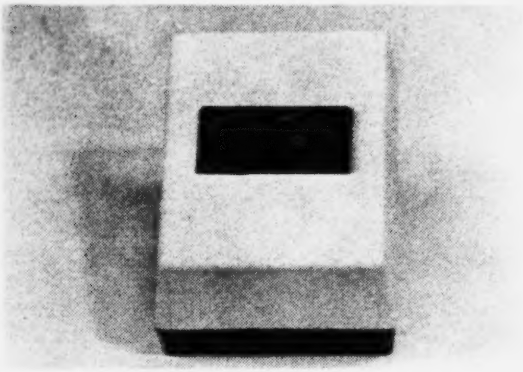
Weight:

Power Source: 120 VAC

Connector Type: Mini-phone plug

Cost: $300.00

Control Unit Model 201 is a device that controls the way in which a switch activates high or low power electrical appliances. A single (low power) switch is plugged into the Control Unit. Appliances that can be controlled by the Unit include low power devices (such as mmodified battery-powered toys) or appliances that run on household power (120 volts AC). The Control Unit allows the user to set: the amount of time the appliance is turned on for any given switch activation (from 1 second to 24 hours); the amount of time the switch must be activated before the appliance will turn on (from 1 second to 24 hours); and how many times the switch must be activated before the appliance will turn on. The Control Unit can also reverse the on/off action of the switch. The user programs the Control Unit using a small keyboard on the face of the unit. Control parameters appear on an LCD display. The Control Unit also stores data on switch activation. Data are recorded on: the number of times the switch was activated, how long the switch was activated, how many times the appliance was turned on, and the total length of time the appliance was on.



Product Name: Counter Box

Vendor: Creative Switch Industries

Size: 4.25" x 3.25" x 2"

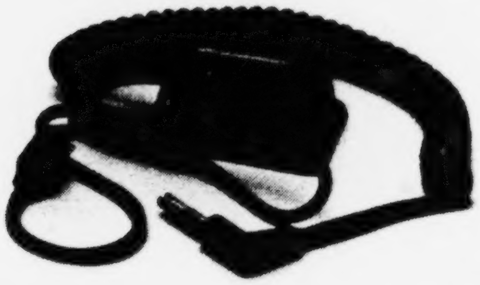
Weight: 6 oz.

Power Source: See text

Connector Type: 1/8" mini-phone plug

Cost: $79.00

Counter Box is a device that counts the number of times a switch is activated. The switch is plugged into the Counter Box, and the number of activations is displayed on an LCD readout on the face of the device. A zero button allows the counter to be reset at any time. The Counter Box is powered by two "N" cells (provided) with a nominal battery life of 4 years.



Product Name: Environmental Control Unit

Vendor: Steven E. Kanor, Ph.D., Inc.

Size: 2" x 1" x 2"

Weight:

Power Source: 120V AC

Connector Type: 1/4" or 1/8" phone plug

Cost: $40.00

Environmental Control Unit is a device that connects a computer to a single switch operated device such as a toy. The switch operated device can be computer-activated when used with the proper software.

Contact the manufacturer for more information on software for the Environmental Control Unit.

Product Name: Invertor Module

Vendor: Steven E. Kanor, Ph.D., Inc.

Size: 5" x 3" x 2"

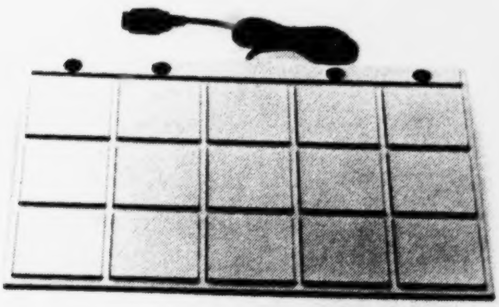
Weight:

Power Source:

Connector Type: 1/4" or 1/8" phone plug

Cost: $22.00

Invertor Module is a device that reverses switch operation. The Invertor Module connects between a single switch and a switch-operated device (such as a toy). When the switch is not being activated, the toy stays on. When the switch is activated, the toy turns off.



Product Name: Keypad

Vendor: TASH, Inc.

Size: 15" x 10"

Weight: 1.5 lbs.

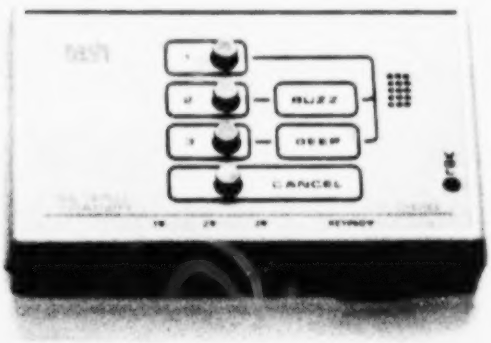
Power Source:

Connector Type: 9-pin D

Cost: $160.00

Keypad is a 3 x 5 array of switches, each activated by pressing on a square plate. The Keypad is low-profile, and each switch is 2.75" square. The switches are covered by a transparent, seamless, flexible plastic cover. Picture or word overlays for each key can be placed underneath the cover. Switches produce an audible click when pressed, and require 100 grams of pressure to activate.

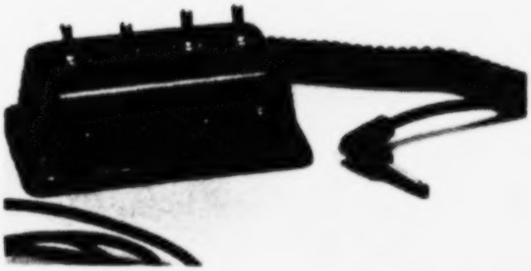
The Keypad has a 9-pin D connector, and is designed to be connected to the Keypad Trainer (see entry), which activates battery operated toys or other single-switch devices.



Product Name: Keypad Trainer
Vendor: TASH, Inc.
Size: 6" x 3.5" x 0.5"
Weight: 6 lbs.
Power Source: 9V battery
Connector Type: Mini-phone plug, 9-pin D
Cost: $450.00

Keypad Trainer is a device that accepts input from the TASH "Keypad" (see entry), or from any combination of five switches, and controls the operation of battery-powered toys or other low power switch-operated devices. The Keypad is connected to the Keypad Trainer, and up to three devices can be plugged in. The user programs the Trainer so that certain keys or combinations of keys will activate either (a) one of three switch-operated devices, or (b) a buzz or a beep (built into the Trainer).

The user must supply the Keypad Battery-operated devices must be equipped with switch interfaces.



Product Name: Multiswitch Module
Vendor: Steven E. Kanor, Ph.D., Inc.
Size: 5" x 3" x 2"
Weight:
Power Source:
Connector Type: 1/4" or 1/8" phone plug
Cost: $35.00

Multiswitch Module is an adaptor which allows several switches to be connected to the same switch-operated device (such as a toy). Which of the switches controls the toy is determined by the setting of toggle switches on top of the module. The module has four jacks for plugging in switches and one output plug for connecting to the toy. The plug can also be connected to a computer for running software equipped for switch input.

The Multiswitch Module can be equipped with either 1/4" or 1/8" plug and jacks.

Product Name: Nine Volt Battery Adaptor Module

Vendor: Steven E. Kanor, Ph.D., Inc.

Size:

Weight:

Power Source:

Connector Type: 1/4" or 1/8" phone plug

Cost: $20.00

Nine Volt Battery Adaptor Module is a device that allows a single switch to be used to control any device powered by a nine-volt transistor battery. The switch is plugged into a jack on the Adaptor Module. A special plug wired to the Adaptor Module connects between the battery contacts in the device and the battery itself. When the switch is activated the battery connection is completed and the device is turned on. When the switch is off, the battery connection is interrupted and the device is off.

No Photograph Available

Product Name: Puzzle Switches

Vendor: Handicapped Children's Technological Services, Inc.

Size: 17" x 5.5" x .63"

Weight:

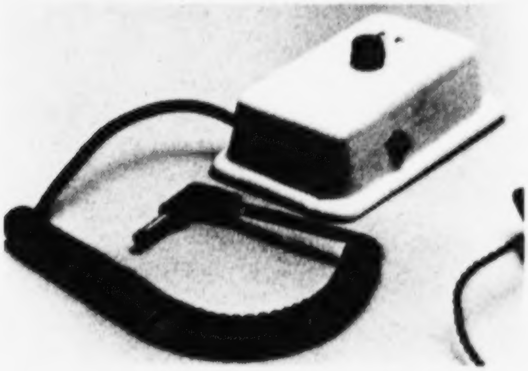
Power Source:

Connector Type: Mini-phone plug

Cost: $82.00

Puzzle Switches are sets of three switches. Each switch is activated by putting a simple geometric puzzle piece into the correctly shaped space. The puzzle pieces are made of wood and have handles on them. Controls are provided for determining which of the puzzle piece switches will be active at a given time.

Two models are available: one with a circle, triangle and square and one with three circles.



Product Name: Rhythm Generator

Vendor: Steven E. Kanor, Ph.D., Inc.

Size: 5" x 3" x 2"

Weight:

Power Source: 9V battery

Connector Type: 1/4" or 1/8" phone plug

Cost: $45.00

Rhythm Generator is a device that rhythmically activates a switch-operated device (such as a toy). The Rhythm Generator is connected between the switch and the toy. While the switch is activated, the toy turns on and off in a regular rhythm. While the switch is released the toy stays off. The speed of the rhythm is adjustable.

Product Name: Series Adapter

Vendor: AbleNet

Size:

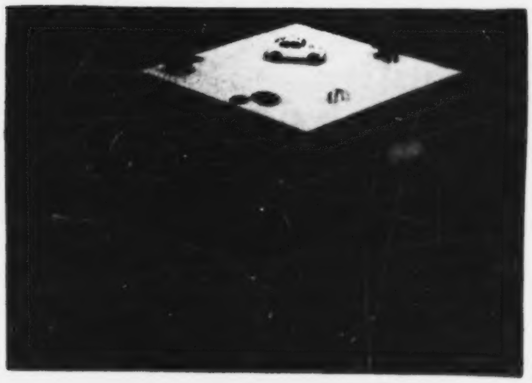
Weight:

Power Source: None

Connector Type: 1/8" mini-phone plug

Cost: $9.50

Series Adapter is a device that allows two switches to be connected in series. The user plugs two switches into the Series Adapter, along with some device to be controlled (such as a modified battery-operated toy). When they are connected in series, both switches must be activated before the toy will turn on.



Product Name: Steeper Communication/Teaching Aid

Vendor: Zygo Industries, Inc.

Size: 14.5" x 11.25"

Weight: 5.5 lbs.

Power Source: 120V AC

Connector Type:

Cost: $1,295.00

Steeper Communication/Teaching Aid is a programmable 16-position scanning communication aid. The aid consists of a translucent panel mounted on a base. The panel can be horizontal, tilted 30 degrees, or tilted 60 degrees. The panel is divided into 16 squares, each with a light behind the panel. Communication symbols or objects can be placed on these squares, and the user indicates a choice by scanning with a single switch. In manual scanning mode the user activates the switch, causing the squares to light up sequentially. The user releases the switch when the desired choice is reached. In automatic scanning mode each time the squares illuminate sequentially, and the user activates the switch to stop the scanning when the desired choice is reached. A control keyboard in the rear of the unit allows the sequence of lights to be progammed, as well as the speed of automatic scanning. A remote control switch allows the direction of scanning and the starting and stopping of automatic scanning to be controlled with an external switch.

No Photograph Available

Product Name: Switch Latch/Timer

Vendor: Developmental Equipment

Size: 4" x 3"

Weight:

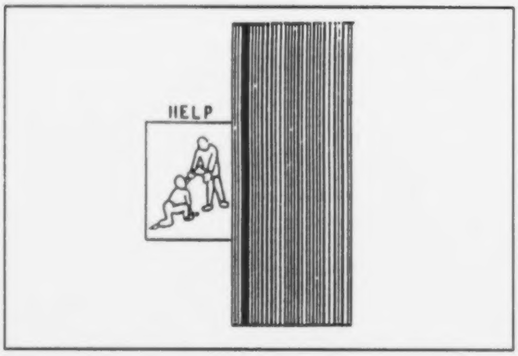
Power Source: Rechargeable batteries

Connector Type: 1/8" mini-phone plug

Cost: $84.50

Switch Latch/Timer is a device that connects between a switch and a battery powered switch operated device (such as a modified toy) and adjusts how the switch functions. In latch mode, activating the switch causes the toy to turn on and stay on until the switch is activated again. In timer mode, activating the switch causes the toy to turn on and stay on for a specific period of time. The timer is adjustable from 2 to 120 seconds. The Switch Latch/Timer can connect to one or two switches and one or two toys. The Switch Latch/Timer itself has an on/off switch so battery power is conserved when the unit is not in use.

The Switch Latch/Timer accepts switches with 1/8" mini-phone plugs.



Product Name: TIGER Jr.

Vendor: TIGER Communication System, Inc.

Size: 7" x 10" x 2"

Weight: 2.7 lbs.

Power Source: 4 "D" batteries

Connector Type:

Cost: $85.00 - $150.00

TIGER Jr. is an electronic or non-electronic communication aid that uses bar codes. The TIGER Jr. is a three-ring binder. Each page features picture symbols with corresponding words. Next to each picture symbol is a bar code. The user can indicate a vocabulary item either by simply pointing to it, or by passing the Texas Instruments "Magic Wand" reader over the bar code. When the Magic Wand passes over the bar code, its built-in speech synthesizer speaks the correct word or phrase. The vocabulary is organized into topical groups. Tabs are provided for section labels, and also for grasping in order to open the book at a particular point.

The TIGER Jr. has a basic level vocabulary consisting of 370 words, phrases, letters and numbers. Each of the 56 pages contains four to eight choices. The bar codes average 2.75" tall in order to provide a large area to sweep with the Magic Wand. The price without the Magic Wand is $85.00. The price with a Magic Wand is $150.00.

Product Name: Timer 90-1

Vendor: Creative Switch Industries

Size: 4.25" x 3.25" x 1.5"

Weight: 8 oz.

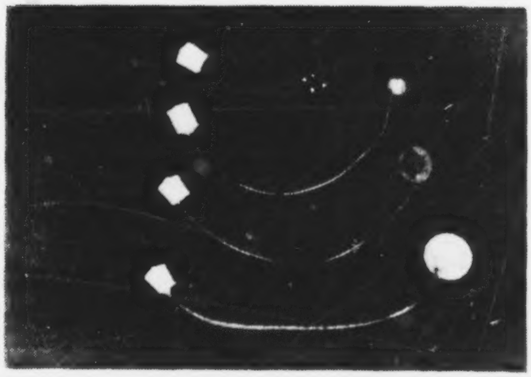
Power Source: 9V battery

Connector Type: Mini-phone plug

Cost: $54.00

Timer 90-1 is a device that sets the amount of time that a battery-operated toy (or other switch-activated device) will remain on after it has been activated with a switch. The switch and the toy are connected to the Timer. When the switch is activated the timer is turned on, and the timer determines the amount of time that the toy remains on. A dial on the face of the Timer is used to adjust the duration of operation, from 1 to 90 seconds.

The battery-operated device to be controlled must be equipped to be operated with a switch.



Product Name: Toy Adapter

Vendor: Burkhart, Linda J.

Size:

Weight:

Power Source:

Connector Type: Mini-phone plug

Cost: $7.95

Toy Adapter is a device that allows a single switch to control the operation of a battery-powered device such as a toy. A switch is plugged into one end of the adapter, and a small plate at the other end is inserted between the battery and the battery contacts in the toy. The switch will then turn the toy on and off.

Toy Adapters come in three sizes, depending on the size of battery in the toy: D, C, or AA.

Chapter 4

Non-Electronic Communication Aids

This chapter includes communication aids which do not involve electricity, as well as materials used in developing non-electronic communication systems. This includes communication boards, eye-gaze boards, pre-printed communication symbols, etc. Headsticks and other non-electronic pointing devices are not included since they appear in Chapter 2.

Many products in this chapter are also cross-listed by function in Index 1. Related functions include Conversation/Interaction (CI) and Assessment (AS). Many are also cross-listed by "symbol system" in Index 2, under such categories as Pictures (ISP), Blissymbols (ISS), and User Selectable Symbols (ISU).

Appendix A contains a list of manufacturers of "Pointing, Typing and Communication Accessories." These companies make or sell products useful with non-electronic communication systems, such as hand splints, pencil holders, elbow pads, wheelchair laptrays, and so forth.

The following product entries appear in this chapter:

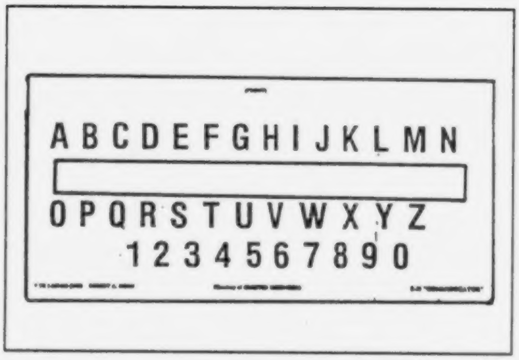
B-H Communicator *4-29*
Blissymbol Templates *4-29*
Core Vocabulary *4-30*
Fast Food Passport *4-30*
Object-Picture Talk Board *4-31*
Pick 'N Stick Color Packs *4-31*
Pocket Picture Holder *4-32*
See-Thru Communication Kit *4-32*
Self-Talk *4-33*
Talking Mitt *4-33*

The following product entries appear in the corresponding chapter in Book 1:

Blissymbol Vocabulary Stamps *1-41*
Brighter Pathways Communication Symbols and Grids *1-41*
Choice Board *1-42*
Cleo Communication Board *1-42*
Communication Binder *1-43*
Communication Folder *1-43*
Communication Sheets *1-44*
Core Picture Vocabulary *1-44*
Eye Transfer Communication System *1-45*
Eye-Com *1-45*
Eye-Com Board *1-46*
Fold-It System *1-46*
Foto Series *1-47*
Help Me to Help Myself *1-47*
Individualized Communication Systems *1-48*
Life Experiences Communication Kit *1-48*
Nu-Vue-Cue *1-49*
Oakland Schools Picture Dictionary *1-49*
Opticommunicator *1-50*
PIC Word Board *1-50*
PICSYMS Categorical Dictionary *1-51*
Pictogram Ideogram Communication (PIC) *1-51*
Picture Communication Symbols, Book I and Book II *1-52*
Picture Your Blissymbols *1-52*
Pictures, Please! *1-53*
Pocket-Sized Communication Book *1-53*
Ports Book *1-54*
Portable Communication Boards *1-54*
Practice Communication Cards *1-55*
Prism Communication Tray *1-55*
Talk Board *1-56*
Talking Paddles *1-56*
Talking Pictures Communication Board *1-57*
Talking Pictures, Kits I, II, and III *1-57*
Touch 'N Talk Communication Board *1-58*
Touch 'N Talk Communication Notebook *1-58*
Touch 'N Talk Communication Stickers *1-59*
Touch 'N Talk Micros *1-59*
Unipix *1-60*
Word Board *1-60*

The following products from other chapters can also be used as Non-Electronic Communication Aids:

TIGER Jr. *4-24*



Product Name: B-H Communicator

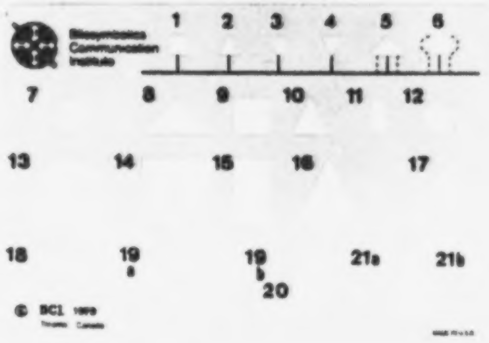
Vendor: Buchart-Horn, Inc.

Size: 13" x 6"

Cost: Free

B-H Communicator is a non-electronic communication aid using a scanning selection process. The B-H Communicator is a cardboard card with a slot cut in it and the letters of the alphabet and the digits 0-9 printed on it. The person communicating with the user stands facing the user and holds up the card, running a finger across the top of the card until the user signals (by eyeblink or some other agreed-upon motion) that the correct letter has been reached. If the desired letter is not found in the top row, the second row is scanned, by running a finger across the slot in the card (which is located above the second row of letters). Numbers are scanned by running a finger along the bottom of the card.

The B-H Communicator is distributed free as a humanitarian effort. Check with Buchart-Horn about availability.



Product Name: Blissymbol Templates

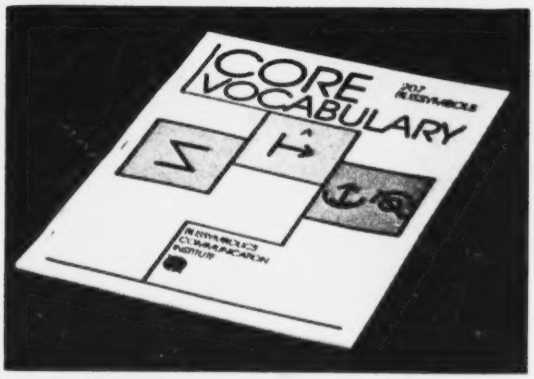
Vendor: Blissymbolics Communication International

Size: 1", 11 mm, 22mm

Cost: $9.00 - $12.00

Blissymbol Templates are patterns of Blissymbol elements. The templates are designed as an aid to drawing Blissymbols more accurately. The Large Metric Template has a large square 21 mm in size. The Small Metric Template has a large square 11 mm in size. The Imperial Template has a 1" large square.

Blissymbol Templates were developed and are sold in Canada by Blissymbolics Communication International, a division of the Easter Seal Communication Institute. Distributors in the U.S. are Developmental Equipment and EBSCO Curriculum Materials.



Product Name: Core Vocabulary

Vendor: Blissymbolics Communication International

Size: 12" x 20"

Cost: $16.00

Core Vocabulary is a set of commonly used Blissymbols. The set contains five copies each of 207 Blissymbols. The symbols are printed on adhesive-backed material, for use with symbol boards and other communication systems. Included are 17 complete sentences for communication.

Core Vocabulary was created and is distributed in Canada by Blissymbolics Communication International, a division of the Easter Seal Communication Institute. Distributors in the U.S. are Developmental Equipment and EBSCO Curriculum Materials.

Product Name: Fast Food Passport

Vendor: Crestwood Company

Size: 4" x 3.25"

Cost: $14.95

Fast Food Passport is a version of the small Porta Book portable communication book (see entry, Crestwood Company) provided with pictures of fast food items. The user can order by opening the book and pointing to the desired item, or by circling items ahead of time using a water-soluble marker on the clear vinyl that covers each page.

Fast Food Passport includes the small (4" x 3.25") Porta Book, 40 picture cards, a water-soluble marker, and a storage bin.

Product Name: Object-Picture Talk Board

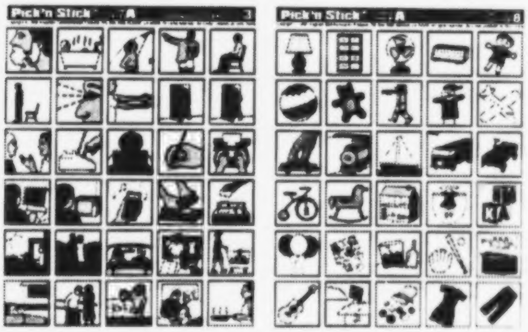
Vendor: Crestwood Company

Size: 5.75" x 6.75"

Cost: $29.95 - $49.95

Object-Picture Talk Board is a communication board that uses objects and models of objects. The plastic board provided is washable, so names of objects can be written in water soluble marker. Objects can be mounted securely to the board with Dual Lock Tape. Objects provided include: watch, TV, toilet, phone, food, and so forth.

The complete Object-Picture Talk Board Kit ($49.95) includes the board, 17 objects, 17 corresponding picture cards, a storage pail for the objects, Dual Lock Tape, and a water-soluble marker. The objects, cards, and pail are also available separately ($29.95).



Product Name: Pick 'N Stick Color Packs

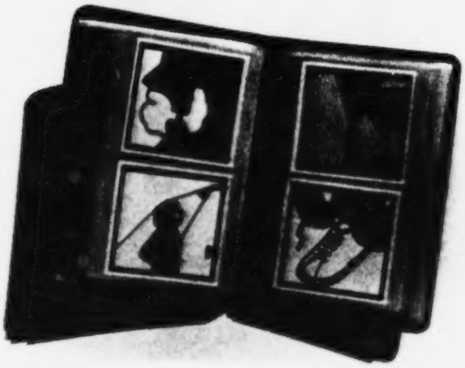
Vendor: Imaginart Communication Products

Size: 1.5" square

Cost: See text

Pick 'N Stick Color Packs are full-color symbol stickers with adhesive backing. Each sticker is 1.5" square and contains a colored drawing indicating some message or unit of a message to be communicated. Pick 'N Sticks are designed to be adhered to communication aids, communication boards, notebooks, etc. The stickers come in sheets of 30, categorized by subject.

Pick 'N Sticks are available in three packages: Color Pack A ($29.95, 420 stickers) includes: Feelings, Family and Friends, At Home (Rooms and Spaces), Common Activities, Events, Places, Common Items, Toys, Clothing, Transportation, Food, Health, Emergency, and Miscellaneous. Color Pack B ($15.95, 180 stickers) includes: Common Activities, Spatial Concepts, Plurals, Opposites, Body Parts, Occupations, and Animals. Packs A and B together cost $39.95. The Pick 'N Stick Duplipack ($6.95, 60 stickers) contains two or three duplicates of common simple message symbols: eat, drink, sleep, happy, sad, and so on. All packs contain some blank stickers for making custom symbols.



Product Name: Pocket Picture Holder

Vendor: Imaginart Communication Products

Size: 4.5" x 3"

Cost: $6.50

Pocket Picture Holder is a pocket notebook designed to hold communication symbols. Two 1.5" square symbols will fit on each vinyl page. The book can hold up to 64 symbols. Different color cards (included) can be inserted as background in order to color- code pages of symbols. A card is also provided which contains ID information and an explanation to the "listener" about the purpose of the symbol book.

No Photograph Available

Product Name: See-Thru Communication Kit

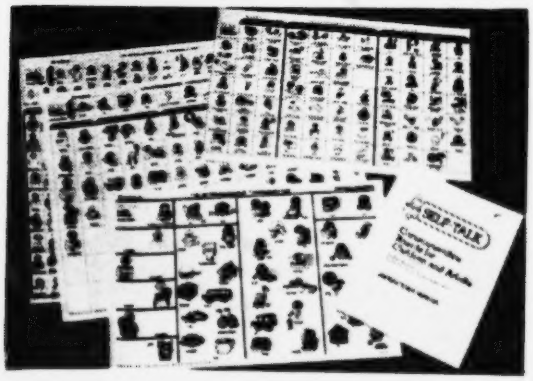
Vendor: Fred Sammons, Inc.

Size: 15.5" x 23.5"

Cost: $58.95 - $75.00

See-Thru Communication Kit is a kit for making transparent communication boards. The user points to words, and the person with whom they are communicating reads the choice from the other side of the clear board. The kit consists of a transparent board and eight sheets of clear flexible vinyl printed with letters, numbers and words. The sheets can be affixed to the board. Three blank sheets are also provided for writing custom vocabulary. Words or pictures on paper can also be placed between the plastic sheet and the board.

An "Economy Communication Kit" ($58.95) is also available. This version has the vocabulary printed on heavy paper, and comes with clear contact paper for attaching vocabulary to the user's own board.



Product Name: Self-Talk

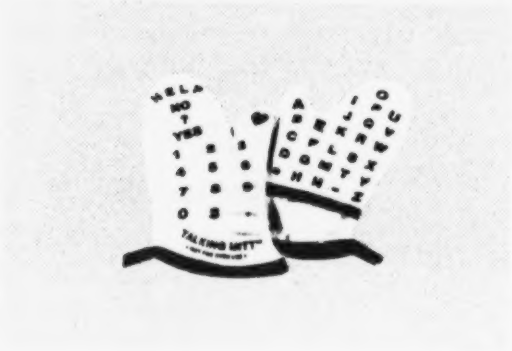
Vendor: Communication Skill Builders

Size: Various

Cost: $29.95

Self-Talk is a set of five communication boards containing colored picture symbols. The vocabulary on the boards is developmentally sequenced, from early preschool level through adult. Vocabulary on the first four boards is cumulative. Each board includes blank spaces where individual symbols or words may be added. The boards are made of a flexible, vinyl-like material.

The set consists of: one 11" x 17" board, one 15.5" x 20" board, two 17" x 22" boards, and one 19" x 22" board. The package includes a seven-page instruction manual.



Product Name: Talking Mitt

Vendor: Crestwood Company

Size: 12" x 7.25"

Cost: $8.50

Talking Mitt is a washable, padded cloth mitten with letters and numbers printed on it. One side displays letters (vowels in red, consonants in blue) and the other side displays numerals and simple words. The user spells messages by pointing to the desired characters with the other hand. The user's hand can be slid into the mitt either at the bottom or halfway up the mitt, allowing it to be used by adults and children.

Chapter 5

Electronic Communication and Writing Aids

This chapter contains dedicated electronic conversation and writing aids. Aids must allow at least 32 distinct selections (enough for the alphabet and a few controls) in order to be included; otherwise they appear in Chapter 3, Training and Communication Initiation Aids. Software programs that are sold separately from their computers (e.g., not packaged as a whole with the computer) are not listed here, but appear in Chapter 22, Personal Tool or Aid Software. Computers and software that are sold only as a complete package and are designed specifically for communication are listed here. Many of the products in this chapter are cross-listed by function in Index 1. Related functions include: Conversation/Interaction (CI), Portable Writing (PW), Alternate Input to a Computer (TI or TW), Word Processing (WP), and Environmental Control (EC).

Appendix A includes information on: Portable Typewriters (also useful as portable writing systems); Portable Battery-Operated Printers (used with voice output communication aids to provide printed output); Service Centers for Augmentative Communication and Computer Access; Newsletters and Publications; Books, Pamphlets and Organizations; and Videotapes on Augmentative Communication and Computer Access.

The following product entries appear in this chapter:

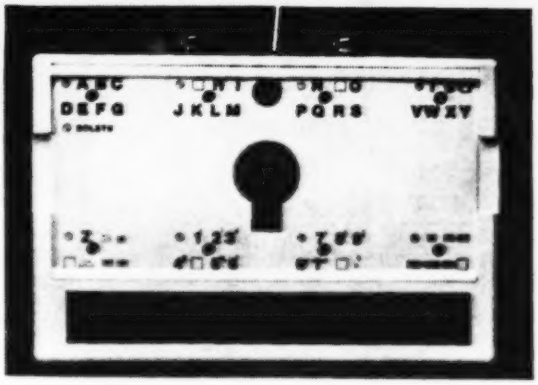
EyeTyper 300 *4-37*
IntroTalker *4-37*
Q.E.D. Scribe *4-38*
Rescue Speech System *4-38*
Say-It-All II and II Plus *4-39*
Say-It-Simply Plus *4-39*
Smoothtalker for Light Talker and Touch Talker *4-40*
Talker II *4-40*
VOIS 136 *4-41*

The following product entries appear in the corresponding chapter in Book 1:

AllTalk *1-63*
Canon Communicator M *1-63*
Dvorak One-Hand Typewriter *1-64*
Equalizer *1-64*
Expanded Keyboards for Speak N' Spell *1-65*
Express 3 *1-65*
EyeTyper *1-66*
EyeTyper Model 200 *1-66*
Flexcom *1-67*
Handy Terminal *1-67*
ICOMM *1-68*
Light Talker *1-68*
Lightwriter *1-69*
Living Center III *1-69*
Mini Talking Card Reader *1-70*
Minspeak 1 *1-70*
PACA (Portable Anticipatory Communication Aid) *1-71*
PhotoPAC/EvalPAC *1-71*
Portable Pocket Typewriter/Computer *1-72*
Portable Voice II *1-72*
Quad-Independence Typewriter-Printer System *1-73*
Say-It-All and Say-It-All Super Plus *1-73*
ScanPAC/Epson *1-74*
SCANWOLF *1-74*
Small Talk *1-75*
Special Friend Speech Prosthesis *1-75*
SpeechAid *1-76*
SpeechPAC/Epson *1-76*
SpeechPad *1-77*
Switchboard *1-77*
Talking 100 *1-78*
Talking 100 Communicator *1-78*
TIM *1-79*
Timothy Communications Package *1-79*
Touch Talker *1-80*
Trine System (ACS) *1-80*
Trine System (Words+) *1-81*
Typewriters for the Visually Impaired *1-81*
Vocaid *1-82*
VOIS 130 *1-82*
VOIS 135 *1-83*
VOIS 140 *1-83*
VOIS 150 *1-84*
WOLF *1-84*
Zygo Model 100 *1-85*
Zygo Notebook *1-85*
Zygo scanWRITER *1-86*

The following products from other chapters can also be used as Electronic Communication or Writing Aids:

E Z Talker *4-207*
TIGER Jr. *4-24*
Verbal Convertible *4-115*



Product Name: EyeTyper 300

Vendor: Sentient Systems Technology, Inc.

Size: 8" x 12" x 3"

Weight: 4 lbs.

Power Source: Rechargeable batteries

Cost: $3,495.00

EyeTyper Model 300 is an electronic keyboard and portable communication aid controlled by eyegaze. The device is placed from 7" to 12.5" in front of the user's eye. The user then selects letters, numbers or commands by gazing at the appropriate positions on the face of the EyeTyper. A small moving camera inside the EyeTyper tracks the user's eye movement. Text the user composes is displayed on a 40-character LCD display and spoken by a built-in speech synthesizer. The EyeTyper comes programmed for the alphabet and other standard keyboard characters. Custom vocabulary can be programmed by the user with the eyes, from an external keyboard, or by loading it from an Apple or IBM computer.

The EyeTyper Model 300 supercedes the earlier Model 200, operating at four times the speed and permitting a greater range of head motion (in and out 5.5", left to right 4", and up and down 3"). Options include a printer, an external display, and an external keyboard for programming vocabulary. The EyeTyper is equipped as a keyboard emulator, so it can be used to run standard software on a computer.

No Photograph Available

Product Name: IntroTalker

Vendor: Prentke Romich Company

Size: 13" x 7" x 3"

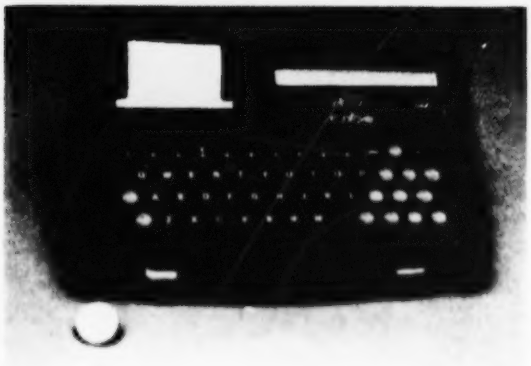
Weight: 5 lbs.

Power Source: Rechargeable batteries

Cost: $595.00

IntroTalker is a portable communication and training device with human-quality voice output. The IntroTalker is designed for high-intelligibility speech with a somewhat limited vocabulary. The user presses one or a combination of the IntroTalker's 32 keys and a pre-stored word or phrase is spoken. The words and phrases are stored in the IntroTalker by a speaking person who recites them into the device's microphone. The sounds are recorded digitally and played back when the appropriate keys are pressed. The standard unit includes sufficient memory for two minutes of normal quality speech or one minute of high quality speech. Additional memory can be added to extend the capacity to eight minutes of normal quality speech. Vocabulary can be accessed using a simplified form of the Minspeak method used on the Light Talker and Touch Talker communication aids (also from Prentke Romich Company). Pressing keys requires four ounces of force.

A trade-in policy is available for upgrading to the more powerful Touch Talker communication aid. Contact the manufacturer for details.



Product Name: Q.E.D. Scribe

Vendor: Zygo Industries, Inc.

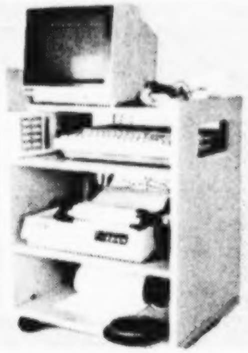
Size: 9.63" x 6" x 1.88"

Weight: 28 oz.

Power Source: Rechargeable batteries

Cost: $995.00

Q.E.D. Scribe is a communication aid with printed output. The user types messages on the device's alphanumeric keyboard. The message appears on a 24-character LCD display, and once the message is composed it can be printed on the built-in printer. Messages can be up to 240 characters long before they are printed. The user can store up to 26 messages of up to 55 characters apiece. A stored message can be recalled by pressing two keys. Both upper and lower case letters can be typed and printed. The keyboard has a membrane surface with built-in keyguard, and pressing the keys produces audible feedback. The on and off switches are also keys. The Scribe has a timed automatic shut-off feature.



Product Name: Rescue Speech System

Vendor: Sorenson, Dr. Douglas

Size: 16.5" x 22" x 27"

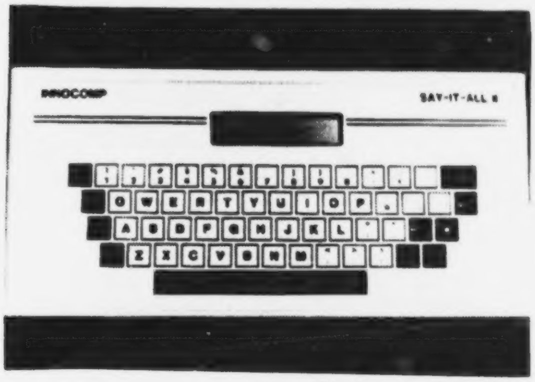
Weight: 22 lbs.

Power Source: 12V battery

Cost: $1,500.00 - $1,800.00

Rescue Speech System is a scanning communication system based upon an Laser 128 computer. The user controls the system by activating any single switch. A special program running on the computer presents the user with menus of letters, phrases or commands. A cursor scans through the choices and the user activates the switch when the cursor arrives at the desired choice. The menus are set up in a hierarchical system: the user moves to the desired menu of choices (for instance a set of phrases classified by topic), and then scans those choices for the desired item. The message composed appears on the computer screen, and can also be printed on a printer or spoken by a speech synthesizer. The user can also control up to eight electrical appliances. These appliances can be controlled remotely if plugged into remote control modules (extra).

The Laser 128 computer can be operated on wall power or on a 12 volt wheelchair battery. The Rescue Speech System includes the computer, monitor, speech synthesizer, switch, software, and printer. It is available on a cart ($1,500.00) or ready to be mounted on a wheelchair ($1,800.00).



Product Name: Say-It-All II and II Plus

Vendor: Innocomp

Size: 14" x 7" x 1.5"

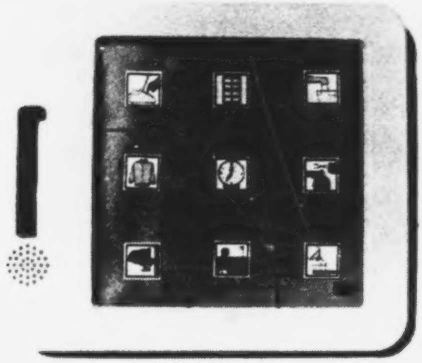
Weight: 2.5 lbs.

Power Source: Rechargeable battery

Cost: $950.00 - $1,350.00

Say-It-All II is a portable communication aid with synthesized voice output. The user types words or phases on the Say-It-All's membrane keyboard. These words or phrases are then converted to correct English phonetic pronunciation and spoken by a built-in speech synthesizer. The user has the choice of eight voices, including male, female, and child's voices. Messages can be sent to a printer or computer via a serial port. The surface of the keyboard is flat, seamless and moisture-proof. Say-It-All II Plus has all of the same features, but also offers the option of storing and recalling whole words or phrases. The user stores phrases by spelling them out, and recalls them by pressing a few keys. Up to 846 words or phrases can be stored. Overlays containing words, symbols or pictures can be created and placed on the keyboard to show the location of vocabulary items.

Options for the Say-It-All II and II Plus include: an external LCD display, keyguard, printers, sets of overlays, and communication symbol stickers.



Product Name: Say-It-Simply Plus

Vendor: Innocomp

Size: 19" x 17" x 1.5"

Weight: 4.5 lbs.

Power Source: Rechargeable battery

Cost: $1,350.00

Say-It-Simply Plus is a communication aid with synthesized voice output and a user-definable keyboard area. The keyboard of the Say-It-Simply is a 12" x 12" membrane surface. The user can define how many areas this keyboard is divided into, from one to 144 areas. Particular vocabulary can be programmed for each area. When that area is pressed, the programmed word or phrase is spoken by a built-in speech synthesizer. Multiple vocabularies (up to 27) can be created and stored, with a total capacity of 618 words or phrases. Overlays can be created for different vocabulary sets. Say-It-Simply Plus offers eight different voices ranging from low to high pitch.

No Photograph Available

Product Name: Smoothtalker for Light Talker and Touch Talker

Vendor: Prentke Romich Company

Size:

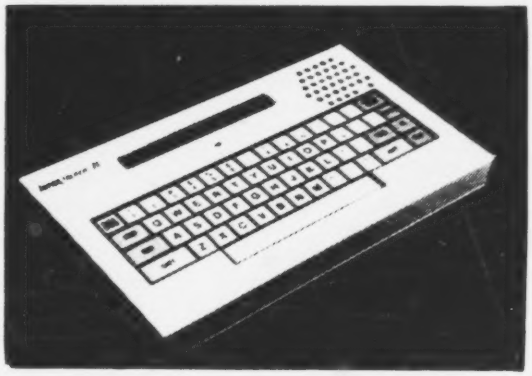
Weight:

Power Source:

Cost: $800.00

SmoothTalker is a voice synthesis option now available for the Light Talker and Touch Talker communication aids (from Prentke Romich). The Smoothtalker is considered more intelligible, and is offered as an upgrade to existing Touch Talkers and Light Talkers. In the future, customers ordering either of these communication aids will be offered the choice of the original voice or Smoothtalker. Contact Prentke Romich for more information on prices and ordering.

Smoothtalker is a product of First Byte, Inc.



Product Name: Talker II

Vendor: Intex Micro Systems Corporation

Size: 13" x 7.5" x 1.5"

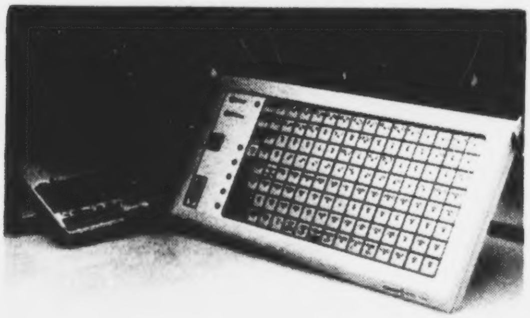
Weight: 3.25 lbs.

Power Source: Rechargeable batteries

Cost: $2,495.00

Talker II is a communication aid with synthesized voice output. The user can type messages letter by letter, or store particular words or phrases for particular keys. Up to ten words or phrases can be programmed for each key. A system of "levels" is used: the user first selects the level at which a message is stored, then the key that it is stored under. Individual letters can be spoken as they are pressed, words can be automatically spelled, and words can be pronounced by phoneme. The keyboard has a moisture-proof membrane surface, and activating a key makes an audible sound. The user can program vocabulary, and the Talker II provides tutorial messages and examples of programming in each mode. The synthesized voice can be set at any of 64 pitch levels. The Talker II runs off of either its rechargeable battery or 120 volts AC (household power).

An overlay kit and keyguard are also available for the Talker II.



Product Name: VOIS 136

Vendor: Phonic Ear, Inc.

Size: 8.75" x 16.5" x 3.18"

Weight: 3.6 lbs.

Power Source: Rechargeable batteries

Cost: $3,000.00 - $3,500.00

VOIS 136 is an operationally enhanced version of the VOIS 135 voice output communication aid. The user creates messages by pressing keys on the device's keyboard, and these messages can then be spoken through a built-in speech synthesizer. The user can create messages by spelling out words, or by storing vocabulary. Vocabulary can be stored in a system of levels: each key has a different definition for each level. In order to select a particular vocabulary item, the user first selects the level and then presses the correct key for that item. The user can program the VOIS 136's vocabulary, up to 12,000 custom items. A speech buffer allows the user to store messages before they are spoken. Text that is stored in the buffer can be added to, edited, or stored under a particular key. The VOIS 136 also allows the user to program larger key areas (the standard size is 3/4" square). The user can also choose from ten different voices, including male, female and child's voices. Text from the VOIS 136 can also be transferred to a computer via a serial port.

Options include a keyguard, and a tape recorder for saving VOIS programming data.

Chapter 6

Telecommunication Devices for the Deaf (TDD's)

This chapter includes only those devices which have been specifically designed for deaf individuals to communicate over telephone lines. It includes systems which use ASCII code, BAUDOT code, or touch tones transfer information. Telewriters are also included in this chapter.

Related "function" codes found in Index 1 include Telecommunication (TL), Conversation/Interaction (CI), and Phone Control (PC).

Appendix A includes lists of: Information Resources for the Deaf; Networks, Bulletin Boards and Databases; and Books, Pamphlets and Organizatons.

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The following product entries appear in this chapter:

Phone-TTY CM-4 Computer Modem *4-45*
SM85 Smart ASCII/Baudot Modem *4-45*

The following product entries appear in the corresponding chapter in Book 1:

Amcom C *1-89*
COM 2000 *1-89*
Echo 2000 *1-90*
Intele-Type *1-90*
Lifestyle Personal Communicator *1-91*
Lifestyle Personal Communicator Expanded Keyboard *1-91*
Minicom II *1-92*
Porta Printer Plus MP20 *1-92*
Porta Printer Plus MP20D *1-93*
Porta Printer Plus MP40D *1-93*
Porta View Junior/Model 32 *1-94*
Print-A-Call *1-94*
SSI-100 Communicator *1-95*
SSI-220 Communicator *1-95*
SSI-240 Communicator *1-96*
Superprint 100, 200, 400 *1-96*
Talk Tone *1-97*
TeleBraille *1-97*
Telewriter *1-98*

The following products from other chapters can also be used as Telecomunication Devices for the Deaf:

IBM Augmented Phone Services *4-209*
PC/TDDA Software *4-211*
UNI-PTC TDD *4-216*

Product Name: Phone-TTY CM-4 Computer Modem

Vendor: Phone TTY, Inc.

Size: 8" x 5" x 2.5"

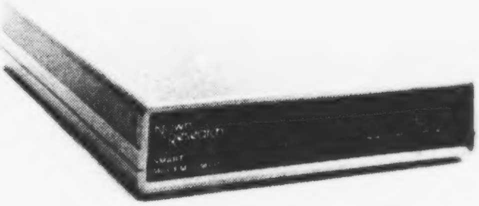
Weight:

Power Source: 120V AC

Cost: $349.00

Phone-TTY CM-4 Computer Modem is a modem that can communicate in either Baudot (TDD) code or ASCII (standard computer) code. The user connects the modem to a computer, and sends and receives messages via the computer. The CM-4 Modem is compatible with both US and International modes of TDD communication, and with ASCII communication at 110 or 300 baud. The modem automatically detects the code of the incoming call and responds appropriately.

The Phone-TTY CM-4 Computer Modem is designed to be used with special software: PC/TDDA Software (see entry). This software allows the user to send and receive messages, auto-dial phone numbers, and automatically answer and record incoming calls. PC/TDDA Software is designed for the IBM-PC, running under PC-DOS. The CM-4 Modem and this software are sold as a package: the price listed is for both items.



Product Name: SM85 Smart ASCII/Baudot Modem

Vendor: Krown Research, Inc.

Size: 9.5" x 6.25" x 1.38"

Weight: 1.25 lbs.

Power Source: 120V AC

Cost: $349.00

SM85 Smart ASCII/Baudot Modem is a modem that allows devices that communicate in standard computer ASCII code to communicate with TDDs, which commonly communicate in Baudot code. The SM85 Modem receives an incoming call, determines whether the call is in ASCII or Baudot code, and responds accordingly. The messages are relayed to the user's computer (or other ASCII terminal) in ASCII code. The user's responses are translated into the correct code for transmission to the caller. The SM85 can be programmed to automatically send a message to incoming callers. Four KBytes of memory are available, and the user can store commonly-used responses, log-on numbers, or passwords. Automatic dialing of up to 10 pre-programmed phone numbers is possible.

The SM85 connects to the phone line with an standard modular phone jack. Connection to the user's terminal or computer is via an RS-232 serial port, communicating at a rate of 300 Baud.

Chapter 7

Switches and Controls

This chapter includes separately marketed switches and user interfaces (such as joysticks). It covers the wide variety of special switches designed to be operable by people with different physical capabilities. A variety of aids can be controlled with switches, including environmental controls (see Chapter 8), communication aids (see Chapters 3 and 5), and computer access systems (see Chapter 11).

Basically, all switches do the same thing: they close and open an electrical circuit, that is they turn something on and off. Some are single switches (they control one circuit), and some are dual or multiple switches. Unless otherwise specified, all the switches are "momentary contact" (the switch is "on" only while the user is activating it) and "normally open" (the switch is on while the user is activating it, off when the user is not activating it). Devices for changing these two modes of operation can be found in Chapter 3.

Switches and user controls which only work with a single communication aid are listed as accessories for that aid. Those that are designed to work only with a particular computer and are not generally able with other devices do not appear here, but are listed in Chapter 11 or Chapter 12.

Switches have their own separate cross reference index (Index 3) where they are listed by their input and output features. Appendix A includes information summaries on: Adaptive Toys and Toy Modifications; Service Centers or Pamphlets and Organizations; and Videotapes on Augmentative Communication and Computer Access.

The following product entries appear in this chapter:

Air Pad Switch *4-49*
Breath Switch *4-49*
Classic Paddle Switch *4-49*
Coil Spring Wobble Stick Switch *4-50*
Deluxe Paddle Switch I & II *4-50*
Flat Switch *4-50*
Flexit Switch *4-51*
Head Control Switch *4-51*
Head Rest Dual Switch *4-51*
Head Switch *4-52*
Head Switch Kit *4-52*
Intention Switch *4-52*
Light-Activated Switch *4-53*
Low Force Adjustable Rod Switch *4-53*
Mercury Switch *4-53*
Multi-Control Press Switch *4-54*
Photo Eye FE-7 *4-54*
Pinch Switch *4-54*
Pressure Pad Switch *4-55*
Pressure Switch *4-55*
Pull Switch *4-55*
Pull Switch - Round *4-56*
Ring Stack Switch *4-56*
Squeeze Switches - Single & Dual *4-56*
Standard Paddle Switch *4-57*
Touch Switch Model 111 *4-57*
Vertical Wobble Switch *4-57*
Wrist/Arm/Leg Switch *4-58*

The following product entries appear in the corresponding chapter in Book 2:

4-Plate Switch *2-3*
4-Pneumatic Switch *2-3*
4-Pushbutton Switch *2-3*
4-Switch Joystick *2-4*
5-Pushbutton Switch *2-4*
5-Tread Switch Slot Control *2-4*
AbleNet Switch 100 *2-5*
Air Cushion Switch *2-5*
Air Cushion Switch (Single or Dual) *2-5*
Air Switch *2-6*
Air Switch Kits *2-6*
Arm Slot Control *2-6*
Armslot Switch Controller *2-7*
Asaflex Model TS *2-7*
Barrel Switch *2-7*
Bite Switch *2-8*
Body Switch *2-8*
Brow Wrinkle Switch *2-8*
Button Switch *2-9*
Button Switch *2-9*
Button Switch *2-9*
Cap Switch *2-10*
Capacitive Touchplate Interface *2-10*
Chin Switch *2-10*
Clamp-On Bump Switch *2-11*
Computer Keyboard Switch *2-11*
Computer Plate Switch *2-11*
Cup Switch *2-12*
Cylindrical Touch Switch *2-12*
Developmental Lever Control *2-12*
Double Push Panel *2-13*
Dual Plate Switch *2-13*
Dual Pneumatic Switch *2-13*
Dual Pushbutton Switch *2-14*
Dual Rocking Lever Switch *2-14*
Dual Tongue Switch *2-14*
Dual Touch Pad Switch *2-15*
Eyebrow Switch *2-15*
Finger Flex Switch *2-15*
Flat Air Cushion Switch *2-16*
Flex Switch *2-16*
Grasp Switch *2-16*
Grip Switch *2-17*
Hand Switch *2-17*
Head Control for Wheelchairs *2-17*
Head Switch *2-18*
Head Switch *2-18*
Headband Switch *2-18*
Infrared Switch *2-19*
Joystick *2-19*
Joystick with Pad Switch *2-19*
L.T. Switch *2-20*
Leaf Switch *2-20*
Leaf Switch *2-20*
Leaf Switch *2-21*
Left/Right Rocker Switch *2-21*
Lever Switch *2-21*
Lever Switch *2-22*
Light Touch Lever Switch *2-22*
Magnetic Finger Switch *2-22*
Membrane Plate Switch *2-23*
Mercury Tilt Switch *2-23*
Micro Joystick with Push Switch *2-23*
Joystick Interface Control *2-24*
Mini Cup Switch *2-24*
Mini Joystick with Pneumatic Switch *2-24*
Mini Joystick with Push Switch *2-25*
Mini Rocking Lever Switch *2-25*
Modified Joystick *2-25*
Mounting Switch *2-26*
P-Switch *2-26*
Paddle Switch *2-26*
Penta Switch *2-27*
Photo Cell Switch *2-27*
Pillow Switch *2-27*
Pinch Switch *2-28*
Plate Switch *2-28*
Plate Switch *2-28*
Plate Switch *2-29*
Plate Switch *2-29*
Plate Switch *2-29*
Plate Switch On Stand *2-30*
Platform Switch *2-30*
Pneumatic Switch *2-30*
Pneumatic Switch *2-31*
Pneumatic Switch *2-31*
Pointer Selection Switch *2-31*
PRC Joystick *2-32*
Pressure Switch *2-32*
Puff Switch *2-32*
Pushbutton Switch *2-33*
Rocker Switch *2-33*
Rocker Switch *2-33*
Rocking Plate Switch *2-34*
Round Pad Switch *2-34*
Single Push Panel *2-34*
Single Rocking Lever Switch *2-35*
Sip & Puff Switch *2-35*
Soft Switch *2-35*
Sponge Nurse Call Switch *2-36*
Square Pad Switch *2-36*
Squeeze Type Switches *2-36*
Thumb Switch *2-37*
Tilt Switch *2-37*
Tilt Switch *2-37*
Tip Switch *2-38*
Tongue Switch *2-38*
Touch Sensitive Joystick Control *2-38*
Touch Switch *2-39*
Tread Switch *2-39*
Treadle Switch *2-39*
Vertical Plate Switch *2-40*
Voice Activated Switch *2-40*
Wafer Switch *2-40*
Wobble Switch *2-41*
Wobble Switch *2-41*
Wobble Switch *2-41*

The following products from other chapters can also be used as Switches or Controls:

Adaptive Firmware Card *3-24*
Apple Adaptor *3-69*
Apple Computer Input Adapter *3-69*
Apple IIe Input Adapter *3-70*
Apple Switch Interface *3-70*
Battery Adapter *1-17*
FingerTip Controller *3-31*
Game Paddle for Apple II Computers *3-32*
Interface Box for Apple IIe *3-71*
Mouth Operated Controller for Quads *3-41*
PC-Pedal *3-16*
Switch Adapter for Apple IIe and II+ Computers *3-75*
Tongue Controller *3-49*
Toy Adapter Cable *1-32*
Toy Cable *1-32*
TV Game-2 *3-76*

Product Name: Air Pad Switch

Vendor: Creative Switch Industries

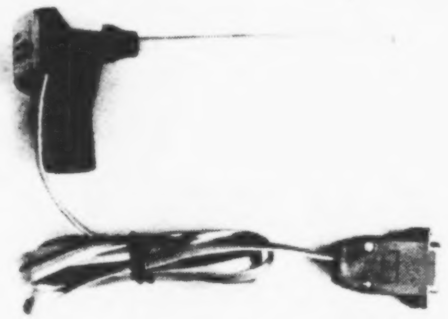
Number of Switches: Single Switch

Activation Pressure: 2 lbs.

Connector Type: Mini-phone plug

Cost: $79.00

Air Pad Switch is a single switch activated by squeezing or pressing on a rubber bulb. Pressing the bulb sends air through a tube, which activates the switch. The bulb is connected to the switch by an eight foot tube. Available in either a "normally on" or "normally off" mode.



Product Name: Breath Switch

Vendor: Regenesis Development Corporation

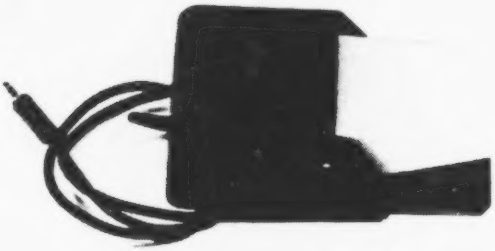
Number of Switches: Dual Switch

Activation Pressure: 2" of water

Connector Type: See text

Cost: $150.00

Breath Switch is a dual switch operated by sip and puff. Three different connectors are available: Apple game port, IBM game port, and 5-pin DIN. Switch draws operating power from the computer. Additional mouthpieces are available at extra cost.



Product Name: Classic Paddle Switch

Vendor: Creative Switch Industries

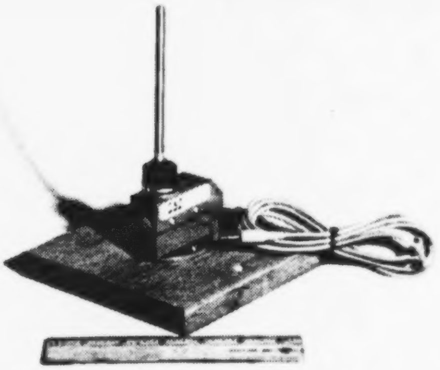
Number of Switches: Single Switch

Activation Pressure: 2 lbs.

Connector Type: Mini-phone plug

Cost: $46.00

Classic Paddle Switch is a single switch activated by pressing on a treadle lever. The base of the switch is made of aluminum with a non-skid base. The treadle travels one inch.



Product Name: Coil Spring Wobble Stick Switch

Vendor: Creative Switch Industries

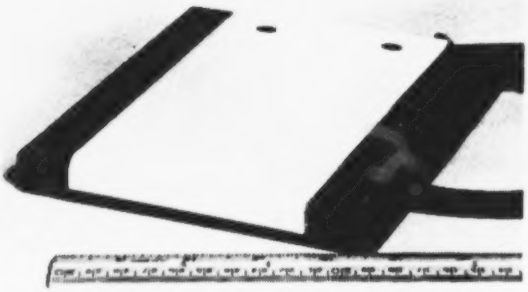
Number of Switches: Single Switch

Activation Pressure: 3 oz.

Connector Type: Mini-phone plug

Cost: $72.00

Coil Spring Wobble Stick Switch is a single switch activated by any movement of a 4.5" flexible coiled spring. The base is oak. The switch is available for either horizontal or vertical mounting, with either normally open or normally closed contacts.



Product Name: Deluxe Paddle Switch I & II

Vendor: Creative Switch Industries

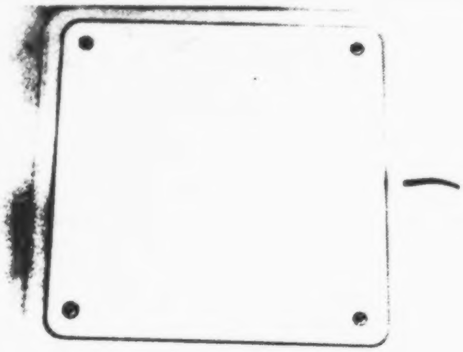
Number of Switches: Single Switch

Activation Pressure:

Connector Type: Mini-phone plug

Cost: $37.50 - $39.50

Deluxe Paddle Switch is a single switch activated by pressing on a 4" x 4" acrylic plate. Activation pressure is adjustable. Deluxe II Paddle Switch has a captive lip on the plate to prevent the plate from being raised inadvertently.



Product Name: Flat Switch

Vendor: Developmental Equipment

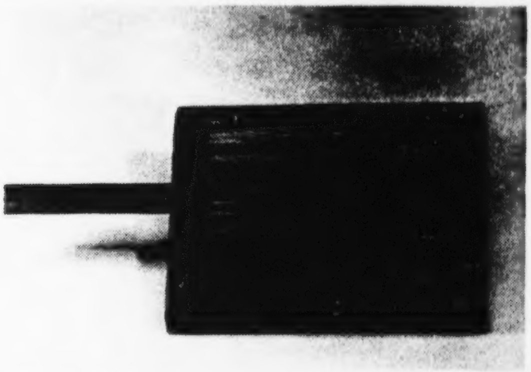
Number of Switches: Single Switch

Activation Pressure: 10 oz.

Connector Type: 1/8" mini-phone plug

Cost: $65.00

Flat Switch is a switch activated by pressing on a large square plastic plate. A click provides audible feedback indicating the switch has been activated.



Product Name: Flexit Switch

Vendor: Creative Switch Industries

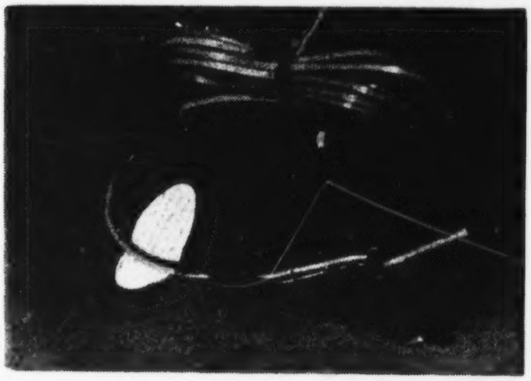
Number of Switches: Single Switch

Activation Pressure: 2 oz.

Connector Type: Mini-phone plug

Cost: $28.50

Flexit Switch is a single switch activated by bending a flexible strip. The strip protrudes from a wooden base. Flexit Switch is available in horizontal or vertical models. Activation is silent.



Product Name: Head Control Switch

Vendor: Burkhart, Linda J.

Number of Switches: Single Switch

Activation Pressure:

Connector Type: Mini-phone plug

Cost: $16.95

Head Control Switch is a single switch activated by being tilted. The switch can be mounted on the head or another body part.

Product Name: Head Rest Dual Switch

Vendor: TASH, Inc.

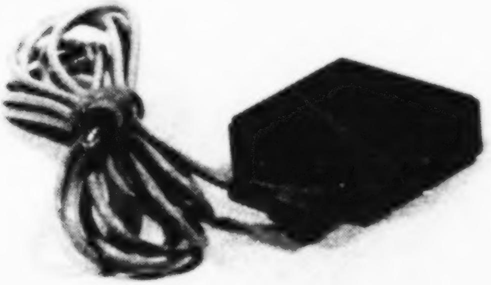
Number of Switches: Dual Switch

Activation Pressure:

Connector Type: 1/8" mini-phone plug

Cost: $185.00

Head Rest Dual Switch is a set of two switches mounted in a wheelchair head rest, with mounting rod and 7/8" pinch clamp. Switches could be used for dual-switch input to communication aid or computer, as well as wheelchair control.



Product Name: Head Switch

Vendor: Adaptive Aids, Inc.

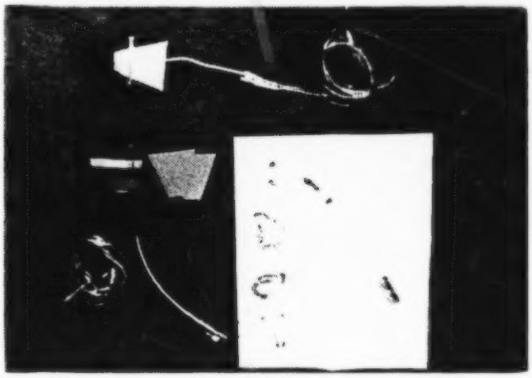
Number of Switches: Single Switch

Activation Pressure:

Connector Type: Mini-phone plug

Cost: $28.00

Head Switch is a level sensitive mercury switch which is activated by tilting. It can be attached to any appropriate body part.



Product Name: Head Switch Kit

Vendor: Burkhart, Linda J.

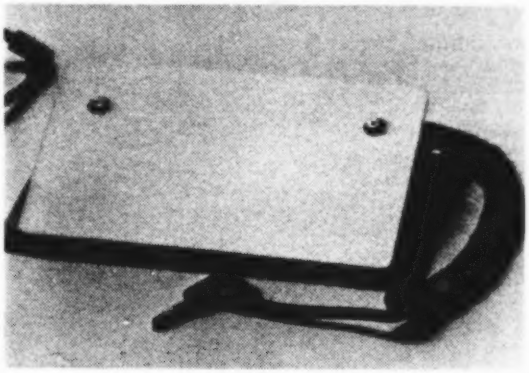
Number of Switches: Single Switch

Activation Pressure:

Connector Type: Mini-phone plug

Cost: $9.50

Head Switch Kit provides all the materials for making a tilt-activated switch. The switch can be mounted on the head or other body parts, and is activated when tilted.



Product Name: Intention Switch

Vendor: Steven E. Kanor, Ph.D., Inc.

Number of Switches: Single Switch

Activation Pressure: 1 oz.

Connector Type: 1/4" or 1/8" phone plug

Cost: $45.00

Intention Switch is a single switch activated by pressing on a plastic plate. The Intention Switch must be pressed for a specific pre-set amount of time before it will activate a device. The required activation time is adjustable (0-30 seconds).

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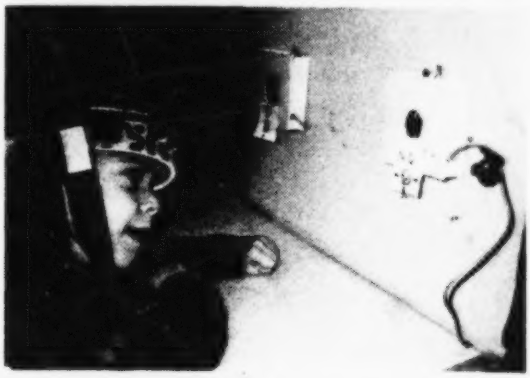


Product Name: Light-Activated Switch

Vendor: Burkhart, Linda J.

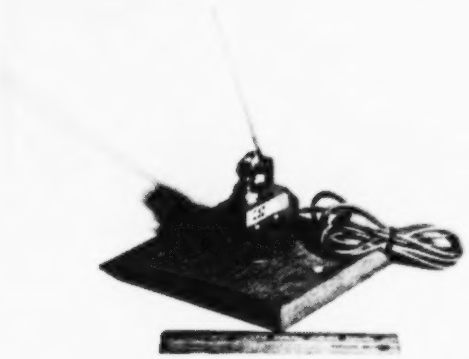
Number of Switches: Single Switch

Activation Pressure:

Connector Type: Mini-phone plug

Cost: $49.95

Light-Activated Switch is a switch activated by directing a light pointer at a light-sensitive panel. A Light Pointer is available from the same manufacturer (see entry); certain models by other manufacturers will also work.



Product Name: Low Force Adjustable Rod Switch

Vendor: Creative Switch Industries

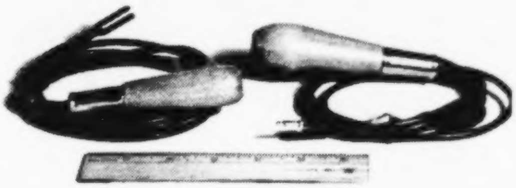
Number of Switches: Single Switch

Activation Pressure: 2 oz.

Connector Type: Mini-phone plug

Cost: $68.00

Low Force Adjustable Rod Switch is a single switch activated by pushing on a thin 6" rod. The rod bracket can be adjusted 360 degrees horizontally, and the rod can be adjusted 270 degrees vertically. The rod itself is also bendable.



Product Name: Mercury Switch

Vendor: Creative Switch Industries

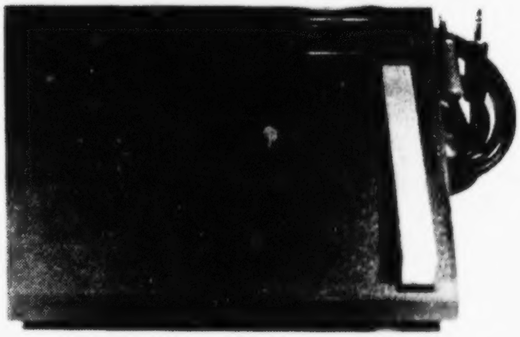
Number of Switches: Single Switch

Activation Pressure:

Connector Type: Mini-phone plug

Cost: $16.50 - $23.00

Mercury Switch is a single switch activated by tilting. Three models of handles are available: miniature cylinders, wood handles, and plastic tubes.



Product Name: Multi-Control Press Switch

Vendor: Creative Switch Industries

Number of Switches: Dual Switch,
Multiple switches (3 to 16 Switches),
Single Switch

Activation Pressure: 1.5 lbs.

Connector Type: Mini-phone plug

Cost: $70.00 - $85.00

Multi-Control Press Switch is a dual or triple switch. One switch is activated by pressing on a large plate. One or two side bars requiring slightly higher activation pressure comprise the other switches.

Product Name: Photo Eye FE-7

Vendor: Creative Switch Industries

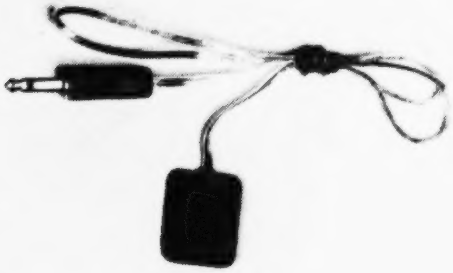
Number of Switches: Single Switch

Activation Pressure:

Connector Type: Mini-phone plug

Cost: $220.00

Photo Eye FE-7 is a single switch operated by reflection of an infra-red light beam. The sensitivity of the switch can be adjusted to sense any object (hand, arm, head, etc.) from one to six inches from the sensor. A long range version is also available.



Product Name: Pinch Switch

Vendor: Creative Switch Industries

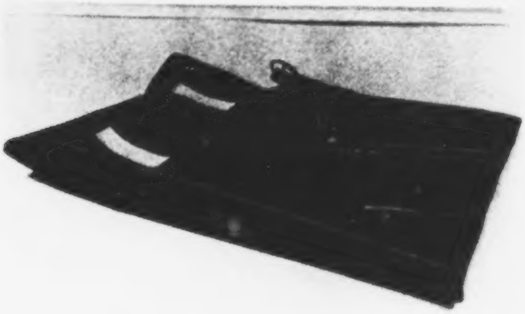
Number of Switches: Single Switch

Activation Pressure: 2 lbs.

Connector Type: Mini-phone plug

Cost: $12.50

Pinch Switch is a single switch activated by pinching on a small round or rectangular tab. Activation is silent.



Product Name: Pressure Pad Switch

Vendor: Adaptive Aids, Inc.

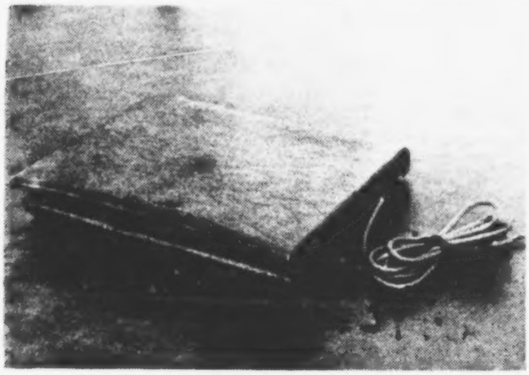
Number of Switches: Single Switch

Activation Pressure: 2 lbs.

Connector Type:

Cost: $26.00

Pressure Pad Switch is a large flat switch in a Naugahyde casing. An area 9" x 9" can be pressed to activate the switch.



Product Name: Pressure Switch

Vendor: Burkhart, Linda J.

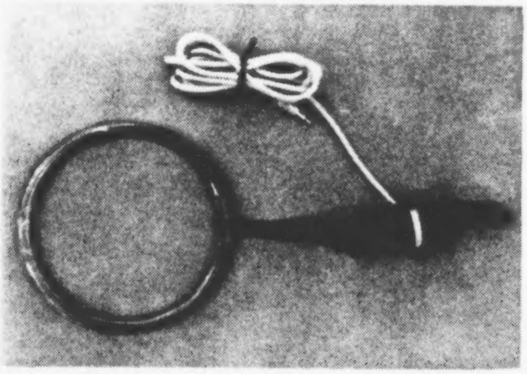
Number of Switches: Single Switch

Activation Pressure:

Connector Type: Mini-phone plug

Cost: $24.50

Pressure Switch is a single switch activated by lightly pressing on a large plastic plate. The plate is 7" x 10" and the base of the switch is made of wood.



Product Name: Pull Switch

Vendor: Burkhart, Linda J.

Number of Switches: Single Switch

Activation Pressure:

Connector Type: Mini-phone plug

Cost: $16.95

Pull Switch is a single switch activated by pulling on a ring attached to a cord. The switch is designed to be suspended above the user with the ring hanging down.

Product Name: Pull Switch - Round
Vendor: Creative Switch Industries
Number of Switches: Single Switch
Activation Pressure: 2 lbs.
Connector Type: Mini-phone plug
Cost: $32.00

Pull Switch - Round is a single switch activated by pulling. Any desired handle can be attached for pulling. This switch is available in momentary contact or pull on/pull off models.

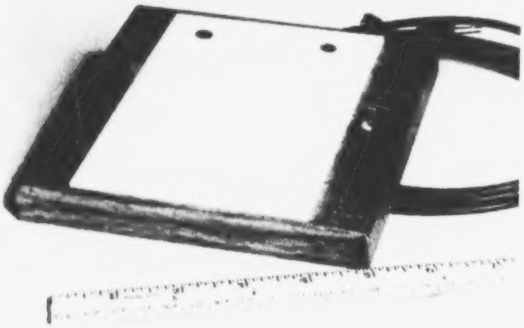
No Photograph Available

Product Name: Ring Stack Switch
Vendor: Adaptive Aids, Inc.
Number of Switches: Single Switch
Activation Pressure:
Connector Type:
Cost: $88.00

Ring Stack Switch is a switch activated by placing or removing any of a set of rings. Magnets in the rings activate a reed switch in the center pole.

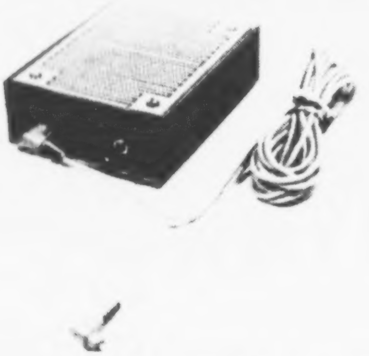
Product Name: Squeeze Switches - Single & Dual
Vendor: Adaptive Aids, Inc.
Number of Switches: Dual Switch, Single Switch
Activation Pressure:
Connector Type:
Cost: $23.00

Squeeze Switches are single switches activated by grasping a padded handle. The Single requires only one hand to activate; the Dual requires two hands.



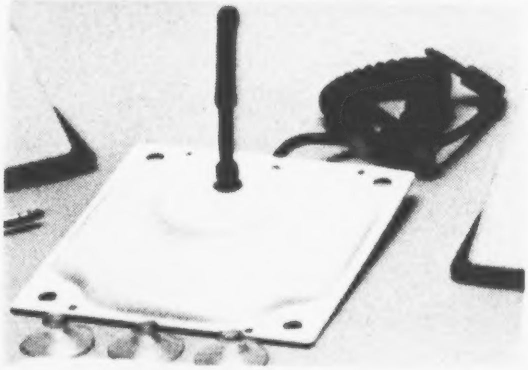
Product Name: Standard Paddle Switch
Vendor: Creative Switch Industries
Number of Switches: Single Switch
Activation Pressure: 2 oz.
Connector Type: Mini-phone plug
Cost: $22.50

Standard Paddle Switch is a single switch activated by pushing on a plastic 4" x 4" plate. The base of the switch is made of oak; the cord is three feet long.



Product Name: Touch Switch Model 111
Vendor: Adaptive Aids, Inc.
Number of Switches: Single Switch
Activation Pressure: 8 oz.
Connector Type:
Cost: $56.00

Touch Switch Model 111 is a single switch activated by pressing the top surface. The switch can be set so that it is on only while being touched (momentary), or so that touching it once turns it on and touching it again turns it off (latching).



Product Name: Vertical Wobble Switch
Vendor: Steven E. Kanor, Ph.D., Inc.
Number of Switches: Single Switch
Activation Pressure: 1 oz.
Connector Type: 1/4" or 1/8" phone plug
Cost: $40.00

Vertical Wobble Switch is a single switch activated by bending a flexible rod. The switch is designed for mounting so the rod can be in any position. Tape, screws, or suction cups can be used for mounting.

Product Name: Wrist/Arm/Leg Switch

Vendor: Adaptive Aids, Inc.

Number of Switches: Single Switch

Activation Pressure:

Connector Type:

Cost: $23.00

Wrist/Arm/Leg Switch is a switch activated by tilting. The switch can be attached to any appropriate part of the body. Any movement out of horizontal position will activate the switch.

Chapter 8

Environmental Controls

For the purposes of this chapter, "environmental controls" are defined as devices or systems whose function is to control some other device in the person's environment. Exceptions are (1) devices used to control computers and (2) devices used to control battery-operated devices (such as toys) for the purpose of teaching or encouraging switch operation or communication skills. The former are found mostly in Chapters 11 and 12, the latter in Chapter 3.

This chapter does include electric page turners, telephone dialers, remote appliance switches, television controllers, and so forth. Many of these systems can be controlled using the switches and controls listed in Chapter 7. Certain special non-electronic telephone accessories are also included in this chapter.

Devices which are not primarily environmental controls, but which can function as such, are cross-listed (along with the products in this chapter) in Index 1, under the function "Environmental Control" (EC). Some other related functions appearing in Index 1 are Phone Control (PC) and Book/Paper Handling (BP). Index 2 cross-lists products by input and output features. Some input types related to environmental controls are Switch Input (ITI), Wireless (ITW), and Speech Recognition (ITS).

The following product entries appear in this chapter:

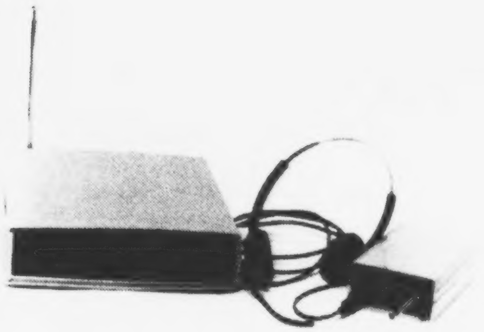
Able-Phone 100 *4-61*
Door Lock Release Unicontrol *4-61*
Encoscan *4-62*
Kincontrol *4-62*
RC5000 Radio Home Control System *4-63*
Scanning Console ECS-8 *4-63*
Scanning Remote Control (SRC) *4-64*
Sparr Telephone Arm *4-64*
TV Converter Model 4020 *4-65*
TVRC and TVSRC *4-65*
Voice Dialer Telephone *4-66*

The following product entries appear in the corresponding chapter in Book 2:

Automaddak Page Turner *2-45*
Automatic Message Dialer *2-45*
Automatic Page Turner *2-46*
Butler-in-a-Box *2-46*
Command Telephone System *2-47*
Control 1 *2-47*
ControlPAC *2-48*
Deuce *2-48*
Directel *2-49*
Dual Tape Control *2-49*
Dynamate 1200 *2-50*
Dynamate 2000 *2-50*
Easicorder *2-51*
Easy File Tray, Desk Organizer *2-51*
Electric Copyholders *2-52*
Environmental Control *2-52*
Environmental Control System *2-53*
Expanded Keyboard for Automatic Telephone *2-53*
EZRA *2-54*
Fone Holder *2-54*
Gewa Page Turner *2-55*
Giant Push Button Telephone Adapter *2-55*
Infrared Remote Control *2-56*
Jumbo Phone with 9 Memories *2-56*
MECCA *2-57*
MicroDEC II *2-57*
Motorized Easel *2-58*
No-Touch *2-58*
On/Off Remote Switch *2-59*
Operator Dialer *2-59*
Page Turner *2-60*
Radio Remote Control *2-60*
Radio Unicontrol *2-61*
Raised Face-Plate *2-61*
Remote Control Sonic Switch *2-62*
Saltus Reader *2-62*
Smarthome I *2-63*
Sound Activated Light Switch *2-63*
Tape Recorder Aid *2-64*
Tape Recorder with Switch Adapter *2-64*
Telephone Holder & Line Connector *2-65*
Telephone On/Off Latch *2-65*
Telephone Ring Indicator *2-66*
Television Channel Selector *2-66*
TOSC-2 Environmental Control System *2-67*
Touch Turner *2-67*
TV Converter Model 4304 *2-68*
Ultra 4 Remote System *2-68*
Unidialer *2-69*
Universal Telephone Adapter *2-69*
VocaLink Cellular Module *2-70*
Whistleswitch Remote Control *2-70*
X-10 System *2-71*

The following products from other chapters can also be used as Environmental Controls:

AbleNet Control Unit *1-15*
ACS Medicom Computer System *3-23*
Active Stimulation Programmer *1-16*
Active Therapy System (ACTS) *4-164*
Activity Board *1-16*
Appliance Genie *3-307*
Communication Programs *4-205*
Computerized Enabling System *3-315*
Delay Timer *1-21*
Dual Channel Latching Switch Interface *1-22*
Dual Switch Latch and Timer *1-22*
EDACTS Keyboard *3-27*
Environmental Control Program *4-208*
Express 3 *1-65*
EyeTyper *1-66*
EyeTyper 300 *4-37*
EyeTyper Model 200 *1-66*
Flexcom *1-67*
HAL (Home Automation Link) *4-84*
Head Control for Wheelchairs *2-17*
Intercom Unicontrol *2-78*
Light Talker *1-68*
Living Center III *1-69*
Minspeak 1 *1-70*
Multi-Input Selector *1-24*
PhotoPAC/EvalPAC *1-71*
Push-On-Push-Off Module *1-25*
Rescue Speech System *4-38*
ScanPAC/Epson *1-74*
Short Wave Computer Interface Unit *4-213*
SoftVoice *4-213*
SpeechPAC/Epson *1-76*
Switch Latch *1-28*
Switch Latch *1-29*
Timer and Counter *1-31*
Timer Module *1-31*
Touch Talker *1-80*
ToyPAC *1-33*
Training Aid 2 *1-33*
Turbo Select *4-93*
X-10 Powerhouse Computer Interface *3-349*
Zygo scanWRITER *1-86*



Product Name: Able-Phone 100

Vendor: DQP, Inc.

Size: 5.25" x 3.25" x 1.75"

Weight: 14 oz.

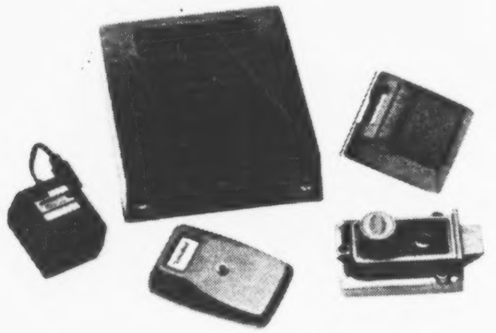
Power Source: Rechargeable battery

Connector Type:

Cost: $649.00

Able-Phone 100 is a portable cordless phone with a headset receiver. The headset contains an earpiece and a microphone. This headset is connected to a small portable remote unit that the user carries. This remote unit communicates by radio waves with a base unit, from up to 700 feet away. The base unit is connected to the household power and to the telephone line. The user can talk and listen simultaneously, as on an ordinary phone. The user can place, receive, and terminate calls from the remote unit by whistling into the microphone. Any single switch can also be connected and used to operate the Able-Phone.

The Able-Phone Model 100-K has a keypad for dialing that can be used with a mouthstick.



Product Name: Door Lock Release Unicontrol

Vendor: TASH, Inc.

Size: 7.5" x 6" x 2"

Weight: 2 lbs.

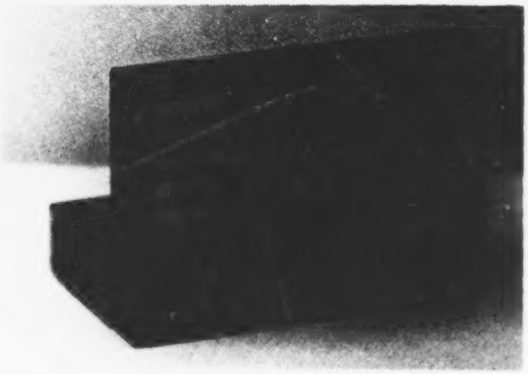
Power Source: 120V AC

Connector Type:

Cost: $600.00

Door Lock Release Unicontrol is a device that will unlock the user's door upon activation of a single switch. In order to activate the system the user may press in the center of the wall-mounted control unit, or may activate any single switch connected to the wall unit or to a portable transmitter. The Door Lock Release Unicontrol can activate an electric door opener as well. The time for which the door lock is released can be adjusted from 1 to 30 seconds. The system has built-in batteries in case of power failure.

The system includes an electric door lock strike, door latch, and 12V AC adapter. The Door Lock Release Unicontrol will also work with some apartment intercom systems and existing automatic locks.



Product Name: Encoscan

Vendor: TASH, Inc.

Size: 10" x 7.5" x 1.25"

Weight: 2 lbs.

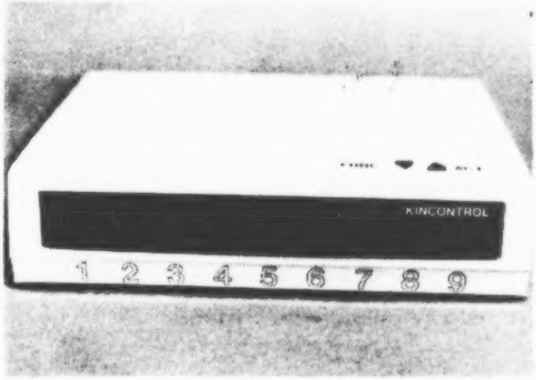
Power Source: 120V AC

Connector Type:

Cost: $1,200.00

Encoscan is a scanning environmental control system that can be used as a simple five-function scanner, or may be set up to control additional functions. The Encoscan central control unit can be operated by a single or dual switch, or remotely by two channels of an Ultra 4 ultrasonic transmitter (also from TASH). The system can control up to 10 functions with a single switch or up to 20 functions with a dual switch. The appliances are controlled by remote ultrasonic receivers like those used with the Ultra 4 System. A mode selection switch allows the selection of up to five operating configurations. Scanning speed and scanning "beep" volume are adjustable.

Encoscan supports a variety of appliance controllers, including telephone, door lock, TV, radio and intercom. Contact the manufacturer for details and prices of the various options.



Product Name: Kincontrol

Vendor: TASH, Inc.

Size: 8.75" x 6.75" x 2.5"

Weight: 3 lbs.

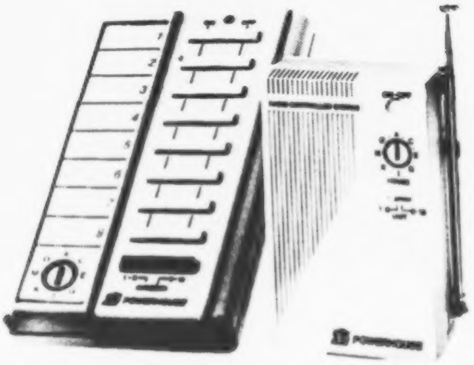
Power Source: 120V AC

Connector Type:

Cost: $600.00

Kincontrol is a environmental control unit operated by single or dual switch scanning. A function switch allows the system to be set up to control 3 to 10 outputs. The outputs can be switched appliances connected directly to the Kincontrol unit, or Ultra 2T ultrasonic remote control receivers (also available from TASH). The latter option allows control of appliances anywhere within a room without direct wiring.

Ultra 2T transmitters and receivers must be purchased separately. Contact TASH for more information on prices and features.



Product Name: RC5000 Radio Home Control System

Vendor: X-10 (USA), Inc.

Size:

Weight: 4.5 lbs.

Power Source: 120V AC

Connector Type:

Cost: $49.99

RC5000 Radio Home Control System is a radio-operated appliance control system. The RC5000 broadcasts a signal strong enough that the user can operate appliances (turn on lights, for instance) even from outside the house. The user presses a button on a hand-held transmitter. This transmitter broadcasts to a transceiver (transmitter/receiver) unit which has an electrical device plugged into it. This one device can be turned on or off, plus up to seven additional X-10 appliance control modules can be controlled by to the transceiver. Thus the system can control up to eight appliances, each having a separate button on the hand-held transmitter unit.

The price listed is for the transmitter and transceiver unit (capable of controlling one appliance). Additional X-10 appliance control modules are available at extra cost ($14.99).

Product Name: Scanning Console ECS-8

Vendor: TASH, Inc.

Size: 4.63" x 3.5" x 2.5"

Weight: 12 oz.

Power Source: 120V AC

Connector Type:

Cost: $270.00

Scanning Console ECS-8 is a scanning version of the X-10 System (by X-10, USA; see entry). A set of eight lights on the central control unit correspond to eight remote appliance control modules. The user activates one switch causing the lights illuminate in sequence. When the desired appliance control light is lit, the user activates another switch to turn on (or off) that appliance. The remote appliance control modules plug into the wall socket and the appliances plug into them. The modules are controlled by signals sent over the household wiring, so no direct connection is necessary between the central control unit and the eight remote control modules.

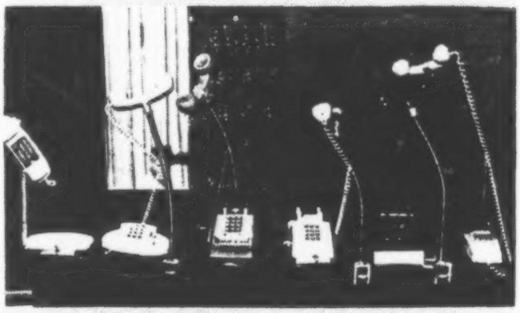
Any two single switches or one dual switch can be used to control the ECS-8. The system can also be controlled by an Ultra 4 Remote System, or the Encoscan (both from TASH).

No Photograph Available

Product Name: Scanning Remote Control (SRC)
Vendor: DU-IT Control Systems Group, Inc.
Size: 6" x 3.25" x 1.75"
Weight: 1 lb.
Power Source: 12V DC
Connector Type:
Cost: $350.00

Scanning Remote Control (SRC) is a scanning remote environmental control system that can operate two infrared controlled appliances, including TVs and VCRs. The SRC has two rows of selections, one for each appliance. The user controls the appliances by scanning and selecting the various options with one or two switches. The user first selects the appliance to control, then scans through the various options–including turning an appliance on or off, selecting TV channels, and controlling a VCR. In single switch mode the system scans automatically and the user makes a selection by activating the switch. In dual switch mode, the user scans the choices by activating one switch to scan and another to select. The SRC allows remote control of appliances in the same room as the user.

There are three models of the SRC: the SRC-DWC, which uses the DU-IT wheelchair control system; the SRC-ECU, which uses a DU-IT MECCA or Deuce environmental control system; and SRC-IND, which can be controlled with just a single or dual switch. The appliance to be controlled must be equipped for infra red remote control, and the control adapted by DU-IT.



Product Name: Sparr Telephone Arm
Vendor: Sparr Telephone Arm Company
Size: 20" - 25" long
Weight:
Power Source: None
Connector Type:
Cost: $35.00

Sparr Telephone Arm is a gooseneck and clamp combination for holding a telephone receiver, plus a latch for hanging up. A clamp at one end of the gooseneck fastens on to a table or other surface. A clamp at the other end holds the receiver so the user can talk without holding it. The flexible gooseneck allows the receiver to be positioned as desired. A weighted bar is provided which the user can place where the receiver normally goes, in order to hang up the phone.

The Sparr Telephone Arm is available in 20", 22", or 25" lengths.

Product Name: TV Converter Model 4020

Vendor: TASH, Inc.

Size: 10" x 8" x 2.5"

Weight: 5 lbs.

Power Source: 120V AC

Connector Type:

Cost: $275.00

TV Converter Model 4020 is an environmental control accessory that can be used to turn a TV on and off, adjust the volume, and select channels. The TV Converter Model 4020 can in turn be controlled using a Encoscan environmental control or the Unidialer telephone control (both from TASH). These systems allow control with a single or dual switch.

TV sets with electronic start cannot be turned on with this converter. The exact unit supplied will vary depending upon market availability.

No Photograph Available

Product Name: TVRC and TVSRC

Vendor: DU-IT Control Systems Group, Inc.

Size:

Weight:

Power Source: 120V AC

Connector Type:

Cost: $495.00 - $570.00

TVRC and TVSRC are remote controls for TVs which allow control of a variety of functions. The TVRC and TVSRC are designed to be attached to TVs that are not already equipped with remote controls, allowing them to be operated with a single or dual switch using the Scanning Remote Control (also from DU-IT; see entry). The SRC is included as part of the package. The TVRC can control channel selection, the TVRC will return the TV to the last channel selected after being turned off (not to channel 2 like most sets), and the TVSRC can convert an existing TV to stereo sound as well.

A stereo amplifier and speakers are required for the TVSRC.

No Photograph Available

Product Name: Voice Dialer Telephone
Vendor: Bossert Specialties Company
Size:
Weight: 14 oz.
Power Source: 120V AC
Connector Type:
Cost: $199.95

Voice Dialer Telephone is a telephone that can be dialed by voice command. The user trains the phone by speaking a name and then dialing the appropriate number. After that, when the phone "hears" that name, it will dial the associated number. Two numbers (work and home) can be stored for each of 100 names. The phone will also read back to the user the number stored for a particular name. The Voice Dialer Telephone offers a personal security code for preventing unauthorized use, emergency one-button dialing for doctor and police, and selectable pulse or tone dialing.

Chapter 9

Call, Monitoring, and Memory Systems

This chapter contains special call buzzers, adaptations to hospital call systems, telephone emergency call systems, activity monitors for elderly and disabled persons, and memory aids and reminder systems for elderly, retarded, or brain-damaged individuals. Automatic fire alarms, burglar alarms, etc. are not included in this chapter, although some aids which qualify for this section could also have such features.

Some related functions found in Index 1 are Assessment (AS) and Training and Communication Initiation Aid (TR). Some of the related input types in Index 2 are Pressure Sensitive, (ITP), Switch Input (ITI), and Noise (ITN).

Chapter 9: Call, Monitoring, and Memory Systems

The following product entries appear in this chapter:

Beep-Alarm *4-69*
Emergi-Call *4-69*
Knight Companion *4-70*
Lifeline Emergency Response System *4-70*
Phone Care Automatic Dialer for the Disabled *4-71*
Silent Call *4-71*
VI-TEL-DIAL *4-72*

The following product entries appear in the corresponding chapter in Book 2:

Accularm *2-75*
Beeper *2-75*
Call Bell *2-76*
Call Signal 2 *2-76*
Door Monitor *2-77*
E-Z Call *2-77*
Electronic Calendars and Pocket Secretaries *2-78*
Intercom Unicontrol *2-78*
Lighted Extra Loud Signalling Buzzer *2-79*
Lighted Signalling Buzzer *2-79*
Linear Alert ET-1A *2-80*
Medical Alert *2-80*
PA-1 Portable Alarm *2-81*
Puff'N Buzzer Switch *2-81*
Signal Buzzer *2-82*
Silent Page System *2-82*
Sound Monitor *2-83*
Voice of Help *2-83*
Watchman *2-84*
Wireless Alerting Systems *2-84*
Zygo Model 4 *2-85*

The following products from other chapters can also be used as Call, Monitoring, or Memory Systems:

Asaflex Model TS *2-7*
Automatic Message Dialer *2-45*
EZRA *2-54*
MicroDEC II *2-57*
RC5000 Radio Home Control System *4-63*
Smarthome I *2-63*
TOSC-2 Environmental Control System *2-67*

Product Name: Beep-Alarm

Vendor: United Systems Associates Corporation

Size: 1" x 1"

Weight: 0.75 oz.

Power Source: Rechargeable battery

Connector Type:

Cost: $195.00 - $595.00

Beep-Alarm is an emergency call system employing a small transmitter. The user holds, carries, or wears the transmitter. When a button is pressed for two seconds or more, the transmitter sends a signal to a base unit connected to the user's telephone (approximate range of transmitter to the phone, 500 feet). The unit then automatically dials a pre-programmed telephone number and plays a pre-recorded message. The Beep-Alarm will call the additional phone numbers in rapid succession if the first one is not reached. Up to six taped messages can be recorded, each sent to a different number.

Transmitters are available in three models: pendant, wristwatch, and "sip and puff" switch. The sip and puff model is activated by blowing into a tube, and is designed for people who cannot press a button.

No Photograph Available

Product Name: Emergi-Call

Vendor: Texim Corporation

Size: 8" diam.

Weight: 1 lb.

Power Source: Rechargeable battery

Connector Type:

Cost: $290.00

Emergi-Call is an auto-dial speaker phone designed to call for help in emergencies. The Emergi-Call plugs into the telephone line, and is powered by household power with a rechargeable battery backup. The unit has three buttons, labelled FIRE, MEDICAL, and POLICE. The user programs an emergency telephone number, and records three 30-second messages on the Emergi-Call, one for each type of emergency. When an emergency occurs, the user presses the appropriate button, and Emergi-Call dials the number, tells the emergency personnel that an emergency message is forthcoming, and asks them to say "OK" if they are ready to receive it. The Emergi-Call detects if the listener has responded "OK", and if so starts the 30-second message that the user has pre-recorded. If there is no response, or if the line is busy, Emergi-Call waits 30 seconds and calls again. Once the call gets through and the recorded message is delivered, Emergi-Call becomes a speakerphone which the user can speak into from a distance, and which allows the listener to hear background sounds if the user is unable to reply.

No Photograph Available

Product Name: Knight Companion

Vendor: Knight Protective Industries, Inc.

Size:

Weight:

Power Source: Rechargeable battery

Connector Type:

Cost: $1,195.00

Knight Companion is an emergency call system with a wireless transmitter. The user carries or wears a battery-powered wireless transmitter. In an emergency, the user presses a button on the transmitter. This activates a receiver unit which automatically calls the Knight Security Center. The receiver unit acts as a speakerphone, and the user can talk to a Security Center officer. The Center has important information about the caller, including medical information and emergency phone numbers. An officer at the Center can call the appropriate people for help, including patching them over to the caller's line so the caller can talk to them. The transmitter unit operates up to 150 feet away from the receiver unit. The user can also call the Security Center by pressing a button on the receiver unit. A TEST button lets the user test the system at any time, and a CANCEL button is provided for cancelling false alarms.

Contact the manufacturer for service contract information.

Product Name: Lifeline Emergency Response System

Vendor: Lifeline Systems, Inc.

Size: 1.5" x 1.5" x 0.6"

Weight: 1.2 oz.

Power Source: 5-year battery

Connector Type:

Cost: Contact manufacturer

Lifeline Emergency Response System is an emergency call system. The user wears or carries a small battery-powered wireless transmitter. When the user presses the button on the transmitter, it sends a signal to a receiver unit connected to the user's telephone. A signal goes through by telephone to the Lifeline Emergency Response Center. Center personnel then try to call the user back by telephone. If they get no answer, they then call a "Responder" previously designated by the user. The Responder is a friend, neighbor or relative with access to the user's home. Upon arriving, the Responder presses a button on the Lifeline unit which signals the Emergency Response Center. The Center then calls back to talk to the Responder and see what kind of help is needed. The Center will notify emergency personnel if necessary. A safety feature is also provided: If the user does not either use the telephone (for any phone call) or press a special reset button within a certain amount of time, the emergency response procedure will begin automatically.

Contact the manufacturer for price and service contract information.

No Photograph Available

Product Name: Phone Care Automatic Dialer for the Disabled

Vendor: Phone Care

Size: 8.5" x 4" x 7"

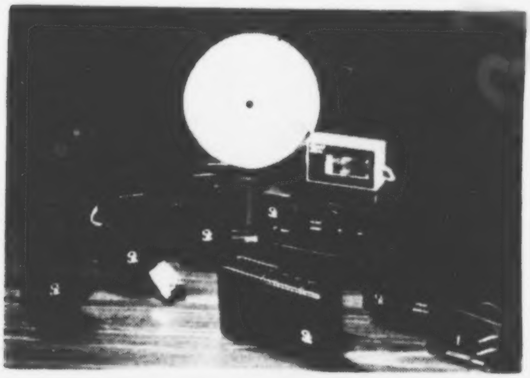
Weight: 2.8 lbs.

Power Source: 120V AC

Connector Type:

Cost: $498.00

Phone Care Automatic Dialer for the Disabled is an auto-dial telephone designed to call for help in an emergency. The user holds or wears a small transmitter that activates the stationary phone unit. The user presses a small bar on the transmitter, which in turn activates the phone. The phone calls up to five pre-programmed emergency numbers, continuously and in sequence until someone is reached or the unit's reset button is pressed. The transmitter unit is available in two models: a Pressure Bar Transmitter that can be activated by the palm, wrist, or forearm; and a Bow Tie Transmitter that fastens around the user's neck and is activated with the chin.



Product Name: Silent Call

Vendor: Silent Call Corporation

Size: 5" x 1.5" x 2.5"

Weight: 7 oz.

Power Source: Rechargeable batteries

Connector Type:

Cost: $569.95

Silent Call is a system that alerts the user to a variety of stimuli in the household. The user wears a small receiver unit that vibrates and flashes in response to a signal from any of several transmitters around the home. Transmitters are available for detecting: sound (such as a baby's cry), smoke in the house, telephone ringing, or door bell ringing. The receiver unit has four different signals that can flash, indicating the four transmitters. A pager transmitter is also available which one person can use to signal another person in or around the home.

The system can be used with one receiver and with as many transmitters as desired. The prices are as follows: Receiver Unit $195.95, Smoke Alarm Transmitter $79.95, Door Bell Transmitter $49.95, Telephone Transmitter $49.95, Sound Transmitter $74.95, Pager Transmitter $49.95, Strobe Light $24.95. A Sleep Alert Unit is available for $69.95.

No Photograph Available

Product Name: VI-TEL-DIAL

Vendor: National Medical Group Administration, Inc.

Size: 2.5" x 2.5" x 1"

Weight: 4 oz.

Power Source: Rechargeable battery

Connector Type:

Cost: $499.00

VI-TEL-DIAL is an emergency call system. The user wears or carries a small transmitter. In an emergency, the user presses a button on the transmitter, sending a signal to a stationary receiver unit connected to the user's telephone. The receiver unit automatically sends a signal via telephone to a 24-hour emergency service. The service attempts to call the user back. If the user cannot be reached, the emergency service calls a previously designated helper who comes to the user's home.

The VI-TEL-DIAL system costs $499.00 installed. Contact the manufacturer for information about the geographical area served.

Chapter 10

Modifications for Standard Keyboards

This chapter contains hardware and software which modify how a computer's standard keyboard operates. Hardware adaptations in this chapter include keyguards, key latches, moisture guards, foot operated shift keys, etc. Software adaptations include programs for adjusting the keyboard repeat rate, programs for rearranging the keyboard, and programs that electronically "lock" keys such as SHIFT.

This chapter only lists products which adapt a computer's standard keyboard. Actual alternative keyboards are listed in Chapters 11 and 12. Adaptations and modifications for parts of the computer other than the keyboard can be found in Chapter 17, Other Adaptations.

A number of the products in this chapter are cross-listed by function in Index 1, and by input/output features in Index 2. A related function is Keyguard (KG). A related input feature is Abbreviation Expansion (IEA), which includes products that use macros. Appendix A includes many information summaries of interest to disabled computer users.

The following product entries appear in this chapter:

E Z Keys *4-75*
Easy Access *4-75*
Enlarged Alpha & Numeric Keytops *4-76*
FlexShield Keyboard Protectors *4-76*
PRD+ *4-77*
Tempo *4-77*
Touchdown Keytop Expanders *4-78*

The following product entries appear in the corresponding chapter in Book 3:

CTRL & ALT Key Adaptive Program *3-3*
Dvorak Keyboard Converter *3-3*
Dvorak Keyboard Modification Programs *3-4*
Filch *3-4*
Handi-Keys *3-5*
Hope *3-5*
HX-20 Protective Cover *3-6*
Key Latches *3-6*
Key Tronic Plug-Compatible Keyboards *3-7*
Keyboard Covers *3-7*
Keyer *3-8*
Keyguard *3-8*
Keyguard *3-9*
Keyguard *3-9*
Keyguard *3-10*
Keyguard *3-10*
Keyguard *3-11*
Keyguard *3-11*
Keyguard *3-12*
Keylocks *3-12*
Keylocks *3-13*
Keyshields *3-13*
MacroWorks *3-14*
Moisture Guard *3-14*
Moisture Guard *3-15*
One Finger *3-15*
PC Assisted Keyboard *3-16*
PC-Pedal *3-16*
ProKey *3-17*
Repeat Defeat *3-17*
SafeSkin Keyboard Protector *3-18*
Smartkey *3-18*
Stick-On Keylocks *3-19*
SuperKey *3-19*
XtraKey *3-20*

The following products from other chapters can also be used as Modifications for Standard Keyboards:

Abbreviation/Expansion *4-203*
Adaptive Firmware Card *3-24*
Adaptive Firmware Card Model G32 *4-81*
Cacti Word Processor *3-311*
CHPI Apple Tool Kit *3-312*
E Z Talker *4-207*
echoBOX *4-83*
PC Serial AID *3-42*
Prompt-Writer *3-331*
Quad-Independence Typewriter-Printer System *1-73*
Smartline Smartboard *4-93*
Special Inputs Disk *3-47*
Turbo Select *4-93*
Verbal Operating System *4-116*

Product Name: E Z Keys

Vendor: Words+, Inc.

Computer: IBM PC family

Manual Form: Printed Manual

Cost: $1,195.00

E Z Keys is a program that increases typing speed on a computer keyboard through the use of prediction tables and abbreviation expansion. The user can type a short set of characters (the abbreviation), and the program will send a longer string of characters (the expansion). The expansion will appear in whatever program the user is running. The user can make custom sets of abbreviations and expansions. The word prediction feature presents the user with a table of potential words that begin with the initial letter the user has typed. The user can either select one of the words in the table as appropriate or continue to type the word. Prediction tables also appear after the second and third letters of a word are typed. Both abbreviation expansion and prediction can be turned on or off by the user.

E Z Keys runs in the background while the user is running other software, allowing its word prediction and abbreviation expansion capabilities to be used within other programs.

Product Name: Easy Access

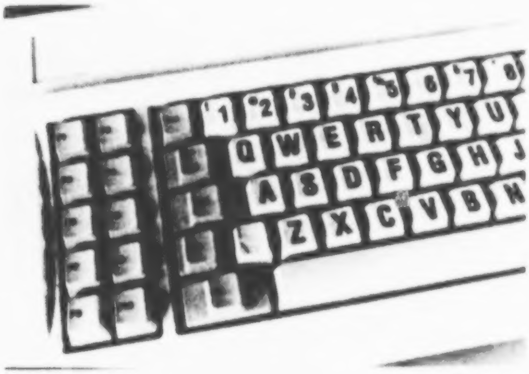
Vendor: Apple Computer, Inc.

Computer: Apple Macintosh

Manual Form: Printed Manual

Cost: See text

Easy Access is a set of utilities built into the Apple Macintosh operating system that allow the user to modify the operation of the keyboard and mouse. The Easy Access features are provided with the operating system at no additional cost. Sticky Keys is a feature that allows single-finger operation of the keyboard. With Stickey Keys turned on, the "modifier" keys (such as SHIFT) can be pressed before the key they modify, rather than at the same time. Pressing the modifier key once modifies the next keystroke only; pressing it twice locks it on until it is turned off by being pressed again. Multiple modifier key sequences (like SHIFT-OPTION) can be executed using Sticky Keys. MouseKeys is a feature that allows the keys on the numeric keypad to be used in place of the mouse. Easy Access is included in operating systems 4.1 and above.



Product Name: Enlarged Alpha & Numeric Keytops

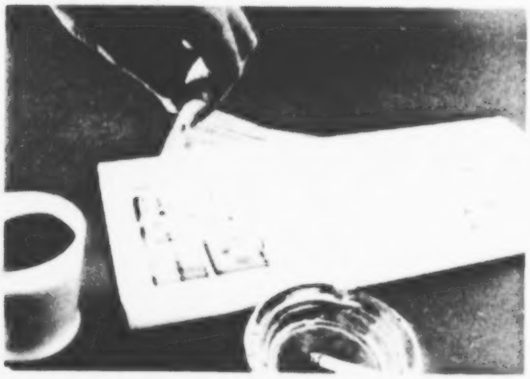
Vendor: Hooleon Corporation

Computer: IBM PC family

Cost: $18.95 - $26.95

Enlarged Alpha & Numeric Keytops are large-print labels that can be placed on computer keys. These Keytops are designed to fit IBM-PC and compatable keyboards, and have letters printed in 38 point type rather than the standard 18 point type. The 14 point numeric symbols are enlarged to 32 point type. These Keytops are available in black on white or white on black.

Two sets of Keytops are available: the alphabetic and numeric keys ($26.95) or just the numeric keys ($18.95). Quantity discounts are available.



Product Name: FlexShield Keyboard Protectors

Vendor: Hooleon Corporation

Computer: All (Hardware Independent)

Cost: $26.95

FlexShield Keyboard Protectors are clear, flexible plastic covers that fit over a keyboard and protect the board from dirt, dust and liquids. The plastic surface is molded around each key, but has no gaps between keys. The protector can be kept in place while using the keyboard. Alternative keyboard labels can be stuck on the protector's surface, allowing the user to change labels on any keys simply by changing the protector.

FlexShield Keyboard Protectors are available for a wide variety of computers. Custom FlexShields can be made to the user's specifications.

Product Name: PRD+

Vendor: Productivity Software International

Computer: IBM PC family

Manual Form: Printed Manual

Cost: $68.00

PRD+ is an abbreviation expansion program that can automatically expand abbreviations. The user types a short set of characters (the abbreviation), and this triggers a longer set of characters (the expansion). PRD+ functions "transparently"; that is the abbreviation expansion system can be used while running other programs. The user programs the desired abbreviations and expansions simply by typing them on the keyboard, either using a special menu-driven set-up program, or "on the fly" while working in another program. When any programmed abbreviation is typed followed by a space or a punctuation mark, the program automatically expands it. This automatic feature can be turned on or off. Abbreviations can be up to eight characters long; expansions can be up to 240 characters. The program reserves 40,000 characters of memory for storing this information.

Various sets of pre-programmed abbreviations and expansions are available as well; contact the manufacturer for details and prices.

Product Name: Tempo

Vendor: Affinity Micro Systems, LTD

Computer: Apple Macintosh

Manual Form:

Cost: $99.00

Tempo is a program for the Apple Macintosh that allows the user to create "macros": short sets of characters (abbreviations) that trigger longer strings of characters (letters, numbers, commands, etc.). The user can program over 500 macros for each application program, and the length of the macros is only limited by the amount of memory the user wishes to consume. Any chain of commands or text can be linked together, and macros can also contain pauses of various lengths. Tempo also has a "record" feature: the user can turn "record" on and then perform any series of actions with the mouse or the keyboard. Tempo will then store this series of actions as a macro. Other features include creating macros that execute automatically when the computer is turned on (requires proper hard disk); creating "branched" macros (macros that call up other macros); and creating "nested" macros (macros that contain other macros).

Tempo is a "chordic" macro program, that is abbreviations require that the user press more than one key at a time. Abbreviations always start with the COMMAND or OPTION key in combination with another key.

Product Name: Touchdown Keytop Expanders

Vendor: Hooleon Corporation

Computer: All (Hardware Independent)

Cost: $10.95 - $21.95

Touchdown Keytop Expanders are caps which fit over the top of keys, presenting a larger surface for the user to strike. These caps are designed to fit those keys on the which are large but have a smaller, raised area for the user to strike. Touchdown Keytop Expanders modify the key so the whole area of the key is available for the user to strike.

Two kits are available. Mini Kits ($10.95) contain Backspace, Enter/Return, and two Shift keys. Duluxe Kits ($21.95) contain Backspace, Enter/Return, both Shifts, Control, Alt, Delete, 0/Ins, Tab, Caps Lock, Scroll Lock/Break, and Num Lock. Caps Lock, Scroll Lock, and Num Lock support an L.E.D. where applicable. Touchdown Keytop Expanders are available for a wide variety of computers and terminals; contact the manufacturer about specific models.

Chapter 11

Alternate Inputs Usable with All Software

This chapter includes alternate input systems which provide "transparent" access to a computer. "Alternate input" refers to a special or adapted device used as an alternative to the computer's standard input devices, including not only keyboards but also joysticks, mice, etc. "Transparent" means that the special input device can perform any operation that its standard equivalent can perform. For example a transparent alternate keyboard would have all the keys included on the standard keyboard, and could operate any keyboard-based software written for that computer.

The chapter title is not meant to indicate that these alternate inputs will operate any and all software, only that they are designed to be equivalent to a standard input device. An alternate keyboard, for instance, would not necessarily be able to control software that requires both a keyboard and a mouse. There may also be compatibility problems with particular commercial software. Contact the manufacturer about questions of compatibility. Input devices that are designed only to operate software written specifically for that device are listed in Chapter 12.

There are other devices which can serve as alternate inputs to computers. These are cross listed in Index 1, under Alternate Inputs Usable with All Software (TI), and under Alternate Inputs Usable with All Software (TI), and under Related input/output features found in Index 2 include: Speech Recognition (ITS), Switch Input (ITI), Pressure Sensitive (ITP), Light Sensitive-Optical (ITL), etc. Other related input features include Morse Code (IEM), Scanning (IMS) and Directed Scanning (IMX).

The following product entries appear in this chapter:

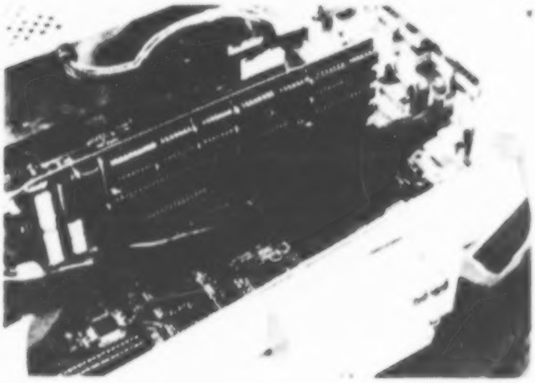
Adaptive Firmware Card Model G32 *4-81*
Computer Entry Terminal II *4-81*
D-TACH Apple Keyboard *4-82*
Datacopy Model 730 *4-82*
echoBOX *4-83*
Expanded Keyboard for Apple Macintosh *4-83*
HAL (Home Automation Link) *4-84*
IntroVoice VI *4-84*
Jet Reader *4-85*
Kurzweil Reading Machine *4-85*
Lis'ner 1000 *4-86*
McIntyre *4-86*
Mouse Emulator *4-87*
MS-300A *4-87*
Octima Chord Keyboard *4-88*
Omni-Reader *4-88*
PC Scan *4-89*
Personal Computer Scanner (PCS) *4-89*
Powerpad Starter Kit for IBM-PC *4-90*
Proportional Keystroke Scanner *4-90*
PS-2000 *4-91*
Scan 300 *4-91*
Scan 300/FB *4-92*
Scan 300/SF *4-92*
Smartline Smartboard *4-93*
Turbo Select *4-93*
VCS1000 *4-94*
Voice Interactive Computer System *4-94*
Voice-Key *4-95*
Words+ Software Keyboard Emulator (WSKE) *4-95*

The following product entries appear in the corresponding chapter in Book 3:

Access-Ability *3-23*
ACS Medicom Computer System *3-23*
Adaptive Firmware Card *3-24*
ALTKEY *3-24*
Compudapter *3-25*
Computer Entry Terminal *3-25*
Coretechs VET3 *3-26*
DART-5000 *3-26*
Ears *3-27*
EDACTS Keyboard *3-27*
Elementary MOD Keyboard System *3-28*
Enable Writer *3-28*
EXPAND *3-29*
Expanded Keyboard for Apple II+ and IIe *3-29*
Expanded Keyboard for Commodore 64 *3-29*
Expanded Keyboard for IBM-PC *3-29*
Expanded Keyboards *3-30*
Expanded Keyboards for the Adaptive Firmware Cards *3-30*
Expanded Keyboards for the Talking BlissApple *3-31*
FingerTip Controller *3-31*
Footmouse *3-32*
Game Paddle for Apple II Computers *3-32*
HeadMaster *3-33*
IntroVoice I & II *3-33*
IntroVoice III *3-34*
IntroVoice V *3-34*
Keasyboard *3-35*
Keyboard Emulator *3-35*
Keyport 300 *3-36*
Keyport 60 *3-36*
Keyworks *3-37*
King Keyboard *3-37*
Kurzweil Voicesystem *3-38*
Lite Touch *3-38*
Mind Master *3-39*
Mini Keyboard *3-39*
MOD Keyboard System *3-40*
Morse-Code Based Keyboard Emulator *3-40*
Mouth Operated Controller for Quads *3-41*
PC AID *3-41*
PC Reader *3-42*
PC Serial AID *3-42*
Pressure Sensitive Expanded Keyboard *3-43*
Pronounce *3-43*
EZMorse Keyboard Emulator *3-44*
quadLynx Trackball *3-44*
QuickWord *3-45*
Ready Reader *3-45*
Remote Keyboard for the Apple II+ and IIe *3-46*
SAR-10 Voice Plus *3-46*
Screenkeys with LROP *3-47*
Special Inputs Disk *3-47*
Speech Recognition Keyboard *3-48*
SR-100 Voice Input Terminal *3-48*
TI-Speech *3-49*
Tongue Controller *3-49*
Unicorn Expanded Keyboard *3-50*
VocaLink CSRB-LC *3-50*
VocaLink Series 4000 *3-51*
VocaLink SYS300 *3-51*
VocaLink VRT300 *3-52*
Voice Card *3-52*
Voice Command System *3-53*
Voice Communications Option *3-53*
Voice Communications System *3-54*
Voice Driver *3-54*
Voice Systems Package *3-55*
Voicescribe-1000 *3-55*
Voicescribe-20000 *3-56*
VTR 6050 Series II *3-56*
Zygo TETRAscan II *3-57*

The following products from other chapters can also be used as Alternate Inputs Usable with All Software (Transparent Input):

Brailink III *3-83*
Braille Interface Terminal (B.I.T) *4-108*
Butler-in-a-Box *2-46*
Canon Communicator M *1-63*
Equalizer *1-64*
Express 3 *1-65*
EyeTyper *1-66*
EyeTyper 300 *4-37*
EyeTyper Model 200 *1-66*
Handy Terminal *1-67*
ICOMM *1-68*
Kennedy Switch Key Software *3-136*
Light Talker *1-68*
Minspeak 1 *1-70*
PhotoPAC/EvalPAC *1-71*
ScanPAC/Epson *1-74*
SpeechAid *1-76*
SpeechPAC/Epson *1-76*
Touch Talker *1-80*
Trine System (ACS) *1-80*
Trine System (Words+) *1-81*
Zygo Model 100 *1-85*
Zygo scanWRITER *1-86*



Product Name: Adaptive Firmware Card Model G32

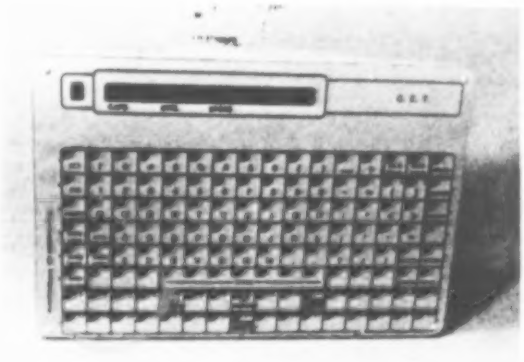
Vendor: Adaptive Peripherals, Inc.

Computer: Apple IIgs

Cost: $450.00

Adaptive Firmware Card Model G32 is a version of the Adaptive Firmware Card (see separate entry) designed for the Apple IIGS. Like the original AFC, it allows the user to operate the computer using a number of special input methods. These include: scanning with one or two switches, Morse code with one or two switches, use of an expanded keyboard, and assisted keyboard mode for those typing with a single finger or mouthstick. In scanning mode the choices are presented on the screen, and a cursor moves across them. The AFC Model G32 is a circuit card that fits in an expansion slot in the computer, and is designed to allow full "transparent" operation of any program that is usually operated with the standard keyboard and/or mouse. Large scanning arrays (1/2" characters) can be created. Multiple-level scanning arrays can also be created. Speech feedback can be programmed as part of the set-up for a particular application, so that users can hear the selections they make. Set-ups with or without speech can be stored and used when needed.

A speech synthesizer is required to use the Model G32 with speech output.



Product Name: Computer Entry Terminal II

Vendor: Prentke Romich Company

Computer: Apple II+, Apple IIe, IBM PC family

Cost: $2,100.00

Computer Entry Terminal II (CET II) is an alternate computer keyboard that can be operated by direct selection with an optical pointer or by scanning with single, dual, or multiple switches. (Scanning can be automatic, row and column, or directed.) The user selects positions on the surface of the CET II that correspond to the keys on the standard computer keyboard. When a position is selected, the corresponding character is sent to the computer just as if it had been typed on the standard keyboard. A keyboard emulating interface adapter (also available from Prentke Romich) is required to operated the CET II in this transparent mode.

The CET II has a substantially larger internal memory than the original CET, and can store enough key definitions to represent a full Apple II or IBM-PC keyboard. Custom key definitions can be programmed as well if desired. A compatible optical pointer or switches are required to operate the CET II.

No Photograph Available

Product Name: D-TACH Apple Keyboard

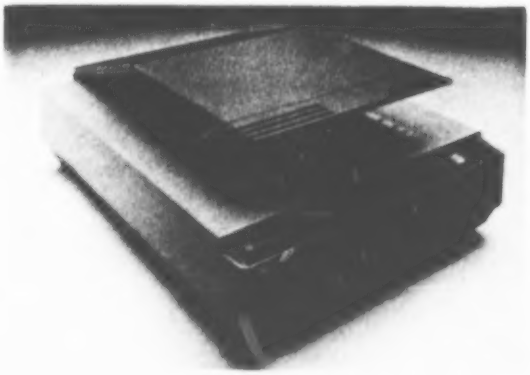
Vendor: Speech Enterprises

Computer: Apple IIe

Cost: $195.00

D-TACH Apple Keyboard is an external keyboard for the Apple IIe computer. It has exactly the same key size and layout as the standard Apple IIe keyboard, but is housed in its own case, and attached to the computer by an eight-foot cord. The D-TACH can be installed by the user, and both the D-TACH and the standard keyboard can remain in operation at the same time.

The D-TACH Keyboard is $195.00 without numeric keypad, $275.00 with a numeric keypad. The D-TACH is made by the same company that manufactures keyboards for Apple, and comes in a case slightly larger than the section of the IIe that houses the standard keyboard. Contact Speech Enterprises for information on adapting keyguards to fit the D-TACH Keyboard. Contact Speech Enterprises before placing any order to be sure of availability.



Product Name: Datacopy Model 730

Vendor: Datacopy Corporation

Computer: IBM PC family

Cost: $1,800.00

Datacopy Model 730 is an image scanner that is capable of optical character recognition. The user places a printed page in the scanner, and the device sends an image of the page to the computer. Software running on the computer analyzes the image, recognizes the letters, numbers and punctuation marks, and stores this information as a computer text file (ASCII). This text can then be read using some alternate output system such as synthesized speech output or an electronic braille device. The Datacopy does not actually provide voice or braille output, only the means to convert a printed text into a computer text file.

The Model 730 is a higher resolution version of the Jet Reader (see entry) and provides the capability to train the system to recognize new type styles. The Model 730 accepts bound documents pr auto-fed pages. The price listed does not include OCR software: software packages are available for $695.00 and $895.00. An optional document feeder is also available.

Product Name: echoBOX

Vendor: Inmar, Inc.

Computer: IBM PC family

Cost: $189.95

EchoBOX is a keyboard macro storage device. The echoBOX is connected between the standard keyboard and the computer. The user can define up to 24 macros (strings of characters or commands) into the echoBOX's memory. When the user presses a key on the echoBOX, the macro programmed for that key will be sent to the computer just as if it had been typed in full on the standard keyboard. The echoBOX has 12 keys plus a SHIFT key, and space for the user to affix custom labels by each key. Macros are stored in non-volatile memory, that is they are retained when the system is turned off.

Three models of the echoBOX are available. Model 10X is designed for the IBM-PC, XT, XT-286 and compatibles; it can store up to 950 keystrokes. Model 10A is designed for the IBM-PC AT and compatibles, and can store up to 650 keystrokes. The Model 10P is compatible with the IBM PS/2.

No Photograph Available

Product Name: Expanded Keyboard for Apple Macintosh

Vendor: EKEG Electronics Company LTD

Computer: Apple Macintosh

Cost: $750.00

Expanded Keyboard for the Apple Macintosh is a large panel that operates like the standard Macintosh keyboard, but has substantially larger (1.5" square) keys. The keyboard contains its own microprocessor and has the same connector as the standard keyboard. Provision is made for having the standard keyboard connected and in operation at the same time as the expanded keyboard. Latching keys are provided for those keys such as SHIFT which would normally have to be held down at the same time as another key. The keyboard is flat, allowing overlays to be added. The surface is seamless and moisture-proof. The expanded keyboard sends the same output to the computer as the standard keyboard to which it is equivalent, allowing the user to perform all the same functions. A keyguard consisting of a thick, plastic-coated wire grid is also available ($75.00).

Product Name: HAL (Home Automation Link)

Vendor: Voice Connection

Computer: IBM PC family

Manual Form: Printed Manual

Cost: $995.00

HAL (Home Automation Link) is a voice input system for the IBM-PC that allows the user full control of the computer by voice, and offers the options of phone control, appliance control, synthesized speech output, and TV and radio tuning control. The HAL program presents the user with "windows" on the computer screen, each displaying a set of control options. The user can select a window, and then command the system to perform control functions, all by speaking words and phrases into a microphone. For 36 different application programs the user can enter all data and commands that would otherwise be entered on the keyboard.

The price listed for HAL includes: the HAL environmental control software, Multiple Choice software (presents the windows), AutoMenu software (for application programs), IntroVoice V voice recognition hardware and software (see entry), headset microphone, and the HAL circuit board for voice control of speaker phone and TV tuner. Options available at extra cost include X-10 appliance control, remote TV and radio tuners, modem, and speech synthesizer. Contact the manufacturer for prices.

Product Name: IntroVoice VI

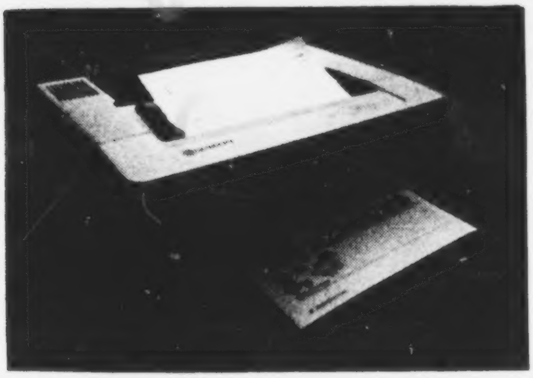
Vendor: Voice Connection

Computer: IBM PC family

Cost: $595.00

IntroVoice VI is a voice input system with a built-in speech synthesizer for voice output. The system consists of an internal circuit card for the IBM-PC computer, special software, and a microphone and speaker. The user "trains" the system to recognize certain words or phrases by speaking them into the microphone. Once the system is trained to recognize a particular utterance, the user can program a character (letter, number, etc.) or set of characters to be associated with that utterance. When the IntroVoice VI "hears" the utterance, it will send the programmed characters to the computer, just as if they had been typed on the keyboard. This allows the user to control standard commercial software by voice alone. The built-in speech synthesizer can be programmed to echo text back to the user. This option can be useful for verifying data entry. The software provided with the IntroVoice VI system is menu-driven, giving the user a structured way to program vocabulary.

IntroVoice VI can be programmed for up to 400 recognized words at one time. The circuit card is half-size.



Product Name: Jet Reader

Vendor: Datacopy Corporation

Computer: IBM PC family

Cost: $1,300.00

Jet Reader is an image scanner capable of optical character recognition. The user places a printed page in the scanner, and the device sends an image of the page to the computer. Software running on the computer analyzes the image, recognizes the individual letters, numbers and punctuation, and stores this information as a computer text file (ASCII). This text can then be read using some alternate output system such as synthesized speech or an electronic braille device. The scanner does not actually provide voice or braille output, only the means to convert a printed text into a computer text file. The Jet Reader, a lower-resolution cousin of the Datacopy Model 730 (see entry), can be programmed to recognize 17 - 18 type styles.

The Jet Reader accepts 10 - 15 single, unbound pages at a time. The price listed does not include OCR Software. Software packages are available for $695.00 and $895.00.

Product Name: Kurzweil Reading Machine

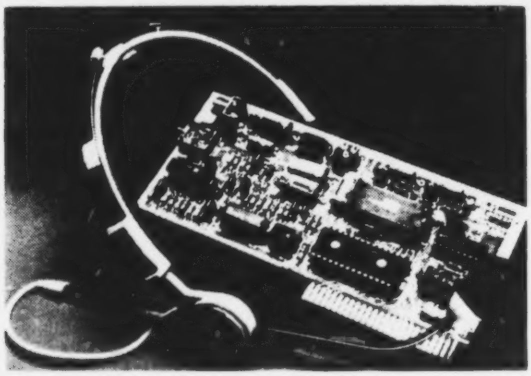
Vendor: Kurzweil Computer Products, Inc.

Computer: All (Hardware Independent)

Cost: $19,800.00

Kurzweil Reading Machine is an optical character recognition scanning system that can provide synthesized speech output from standard printed material. The user places a single page or an open book on the scanning unit, a device which resembles a photocopier. The unit then scans a page, recognizes the letters, numbers and punctuation marks, and transmits this information to the control unit, which speaks the text through its built-in speaker. The control unit (10" x 9" x 2") also enables the user to control how the text is read back: text can be repeated, spelled out, marked for later reference, and spoken with or without punctuation and capitalization. The voice can be varied in volume, speed and pitch. Direct audio recordings can be made. The electronic text file that the system compiles from scanning printed text may also be transferred to a computer via the Kurzweil's RS-232C serial port.

The Kurzweil Reading Machine can also be used as a speech output device for other computers or braille systems. Purchase or lease agreement includes training for one person at the Kurzweil Computer Products Training Center in Cambridge, Massachusetts.



Product Name: Lis'ner 1000

Vendor: Micromint, Inc.

Computer: Apple II family, Commodore 64

Manual Form: Printed Manual

Cost: $149.00 - $259.00

Lis'ner 1000 is a speech input and output system on a single circuit board. The Lis'ner plugs into the user's computer, and the user can program it to accept spoken words as input, or to generate synthesized speech as output. To train the voice input system, the user speaks a particular word into a microphone. The user then programs that word to be associated with a particular string of characters (letters, numbers, etc.). When the Lis'ner system "recognizes" a voice pattern, it sends the pre-programmed string of characters to the computer, just as if they had been typed on the keyboard. The Lis'ner voice input system can have a working vocabulary of up to 64 words at a time, and extra vocabulary can be stored on disk and used when needed. The built-in speech synthesizer accepts computerized text as input, and converts it into phonetically correct speech. A one-watt amplifier is provided on the circuit board, so a speaker can be connected directly.

The Apple version of Lis'ner is available with just voice input ($189.00), or voice input and output ($259.00). The Commodore version is available with voice input only ($149.00).

Product Name: McIntyre

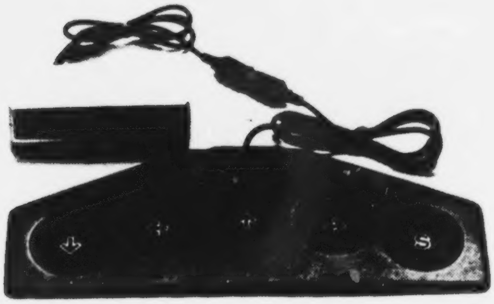
Vendor: McIntyre Computer Systems Division

Computer: Apple Macintosh

Cost: See text

McIntyre is an alternate input system for an Apple Macintosh, employing a joystick or trackball in place of the standard mouse and keyboard. Moving the joystick or rolling the trackball is equivalent to sliding the mouse. Pushing the joystick "fire" button or pressing the trackball button is equivalent to clicking the mouse button. Special software presents an image of the keyboard on the computer screen. The user can perform the equivalent of typing on the keyboard by moving the mouse cursor to a letter on the keyboard image and pushing the button. The joystick is available mounted on a gooseneck for mouth operation (the "Lipstick"), but can also be mounted differently and operated by another part of the body. The McIntyre input system operates transparently, offering the user access to most all commercially available software for the Macintosh computer.

The McIntyre system comes with or without the computer. Models with "floppy" disk drives are available for less than $3,000.00. Models with a hard disk are available for under $3,500.00. Joystick, mounting and software are $350.00, trackball and software $250.00, software alone $50.00.



Product Name: Mouse Emulator

Vendor: TASH, Inc.

Computer: Apple Macintosh

Cost: $400.00

Mouse Emulator is a device that allows a set switches to be used in place of a mouse for input to a Macintosh computer. Five input switches are used to produce up, down, left and right cursor movement plus mouse button action. A latching feature is provided to reproduce mouse movement with the mouse button held down ("dragging"). This latching is activated by holding down the mouse button switch for a certain (adjustable) length of time. The speed of cursor movement with the Mouse Emulator goes in two stages. The initial speed when a switch is activated is fixed and slow. After a one second delay the speed increases to a higher value, the magnitude of which is adjustable. The Mouse Emulator will also serve in place of the standard keyboard. Special software presents an on-screen image of the keyboard. The user moves the mouse cursor to the desired key and clicks the mouse button in order to "type" that key.

Mouse Emulator is designed to substitute transparently for the mouse and the keyboard, providing access to standard software on the Macintosh computer.

No Photograph Available

Product Name: MS-300A

Vendor: Microtek Lab, Inc.

Computer: Apple Macintosh, IBM PC family

Cost: $2,495.00

MS-300A is an image digitizer that uses a separate software package when used as an optical character recognition scanner ($595.00 IBM). The user places a printed page on the scanner, and the device recognizes the individual letters and stores this information as a computer text file. This text can then be transferred to a computer (in the form of ASCII code) and read via some alternate output system such as a screen reading program or a refreshable braille device. The MS-300A, a higher-resolution version of the Smart Reader (see entry), can be programmed to recognize up to 100 typesyles. The system is available with OCR Software (by OCR Systems, Inc.).

The MS-300A's recognition capabilities do not allow recognition of type with kerning, that is the overlapping of a letter into another letter's rectangular space. Currently the MS-300A accepts only single pages, but a version that will accommodate bound materials is due out by February, 1987. Contact the manufacturer for details.

Product Name: Octima Chord Keyboard

Vendor: TASH, Inc.

Computer: Apple IIe, IBM PC family

Cost: $400.00

Octima Chord Keyboard is a computer keyboard designed to be controlled with one hand. The Octima uses a system of chords (groups of keys) that represent all the keys on the standard keyboard. The user presses a group of keys, and the appropriate character (letter, number, command, etc.) is sent to the computer just as if it had come from the standard computer keyboard. A small pull-out keypad is built into the Octima. It contains a set of keys for users who chose not to memorize all available chords. It includes number and function keys. Seven auxilliary keys are also provided on top of the Octima, for special commands.

The Octima comes with a software tutorial, an instruction manual, and cardboard cube with all the chords diagrammed for the user's reference.

No Photograph Available

Product Name: Omni-Reader

Vendor: G.A.S. International, Inc.

Computer: Apple Macintosh, IBM PC family

Cost: $199.00

Omni-Reader is an optical character recognition scanning system. The user places a page of text on the Omni-Reader's tablet surface and scans the document line by line with a hand-held reading unit that moves along a horizontal guide. An image of the characters on the page is sent to a computer. Special software running on the computer processes the image and recognizes what letters, numbers and punctuation are represented. The software stores this information as a computer text file, which can be saved and edited. Once the text is stored this way, the user can read it with a some special output such as synthesized voice or a braille printer. The Omni-Reader can recognize four common typestyles: Courier 10, Courier 12, Letter Gothic, and Prestige Elite.

The Omni-Reader system does not actually provide the alternate output (voice, braille, etc.), only the means of converting printed text to a computer text file. The software for character recognition is available for either the IBM-PC or the Apple Macintosh. The manufacturer is liquidating supplies of this product: be sure to check on availability.

Product Name: PC Scan

Vendor: DEST Corporation

Computer: IBM PC family

Cost: $1,995.00

PC Scan is an optical character recognition scanner for the IBM-PC. The system consists of a scanning unit and special software (Text Pac) for the PC. The user feeds a single page into the scanner, and it scans the text. This data is sent to the PC, where the Text Pac software recognizes each letter of the text, and stores this information as a computer text file. This file is then available to be read using any desired output system (braille, speech, etc.). Text Pac also provides formatting that allows text to be automatically inserted into a number of popular word processing programs. PC Scan can recognize 12 common typestyles, including both monospace (uniform width letters) and proportionally spaced type, in 10 and 12 point sizes. The scanner typically scans a page in about 25 seconds, and will accept paper from 3.5" x 3.5" to 8.5" x 14" in almost any color.

Contact the manufacturer about whether the PC Scan system will recognize a particular typeface. The price listed is for the scanner hardware alone. The Text Pac software costs an additional $595.00.

No Photograph Available

Product Name: Personal Computer Scanner (PCS)

Vendor: CompuScan, Inc.

Computer: IBM PC family

Cost: $3,495.00

Personal Computer Scanners (PCS) are devices that can scan a page of printed text, recognize the characters (letters, numbers, punctuation), and convert the printed text into a computer text file. A variety of models are available, with different file transfer capabilities. All models are capable of recognizing 14 different fixed-width fonts and nine different proportional fonts, and can scan up to 120 pages per hour. All PCS's scan individual pages (not bound material), from 3" x 5" up to 8.5" x 11".

Once a printed text has been converted to electronic form, the user can read it using some alternate output, such as synthesized voice or braille. The PCS does not provide the alternate output, however, only the means to convert the printed text to a computer text file. Contact the manufacturer for information on what computers can be interfaced with particular PCS models.

Product Name: Powerpad Starter Kit for IBM-PC

Vendor: Dunamis, Inc.

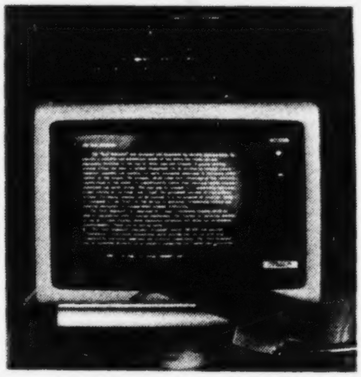
Computer: IBM PC family

Manual Form: Printed Manual

Cost: $99.95

PowerPad Starter Kit for IBM-PC provides the materials for using the PowerPad with IBM PC computers. The kit includes a special cable for connecting the PowerPad to the computer's parallel port, and special software for programming the set-up of the PowerPad "keys." The user can assign a particular value (a character or a set of characters) to a particular area of the PowerPad. When that area is pressed, the programmed value (character, word, command, etc.) is sent to the computer as input. The computer treats the input from the PowerPad just as if it had come from the standard keyboard. Up to 144 "keys" can be defined on the PowerPad. The Starter Kit software provides an image of the PowerPad on the computer screen, and the user can type in the desired values for each area.

The PowerPad must be purchased separately.



Product Name: Proportional Keystroke Scanner

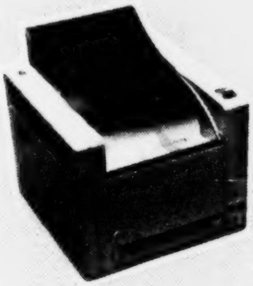
Vendor: Ability Systems Corporation

Computer: IBM PC family

Cost: $2,850.00

Proportional Keystroke Scanner is a input device operated by a proportional controller. The system consists of a panel with all the characters of the keyboard on it and either a sip and puff controller or a joystick. The user moves around this keyboard panel by sipping and puffing on the controller or pushing on the joystick. The user's current position is indicated by one of the characters being lit up. The light can be moved vertically or horizontally. When the desired character is reached, the user selects it. That character is sent to the computer just as if it had been typed on the standard computer keyboard, allowing the user access to standard commercial software. When moving around the array, the user has proportional control; that is, the harder they sip or puff, or the harder they push the joystick, the faster the light will move. The user slows down when in the vicinity of the correct character, and stops when it is reached.

A number of options are available, including "Abilitywrite" word processing software, a telephone switch hook control module, and additional software. The price listed does not include the controller.



Product Name: PS-2000

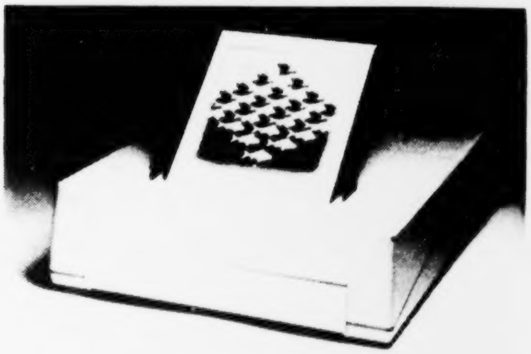
Vendor: Electronic Information Technology, Inc.

Computer: IBM PC family

Cost: $2,795.00

PS-2000 is an image scanning device that is capable of optical character recognition. The user places a printed page in the scanner, and the device sends an image of the page to the computer. Software in the computer analyzes this image, recognizes the individual letters, numbers, and punctuation marks, and stores this information as a computer text file (ASCII). This text can then be read via some alternate output system such as a voice output "screen reading" program or a refreshable braille device. The text can also be transferred into standard application programs such as word processing programs. The PS-2000 can recognize seven basic fonts (typestyles), and the software can be "taught" additional fonts.

The PS-2000 accepts single sheets of paper only (no bound materials), up to 8.5" x 14". The system requires a IBM-PC, XT or AT compatible with at least 512K of memory and a 10 megabyte hard disk. The price listed is for the scanning hardware plus software for optical character recognition.



Product Name: Scan 300

Vendor: Abaton Technology Corporation

Computer: IBM PC family

Cost: $3,195.00

Scan 300 is a device that scans a printed page and transfers the image to a computer. Special software running on the computer recognizes the characters of the text (letters, numbers, punctuation) and translates them into a computer text file. Once the text is converted to this form, it can be "read" using some alternate output method, such as voice output. The recognition software also allows scanned text to be inserted into several popular word processing programs. The software is capable of recognizing several fonts, in sizes as small as 6 point and in bold or underlined form. The Scan 300 accepts single sheets up to 8.5" x 14" (legal size). Sheets can be auto-fed into the scanner.

The Scan 300 system does not actually provide for voice output or other special output forms; it only converts the printed material to computer text form. The Scan 300 can also be used to scan images (pictures, etc.) for use in graphics programs. The resolution of the scanner is 300 by 300 "dots" per inch.

Product Name: Scan 300/FB

Vendor: Abaton Technology Corporation

Computer: IBM PC family

Cost: $2,995.00

Scan 300/FB is a device that scans a printed page and transfers the image to a computer. Special software running on the computer recognizes the characters of the text (letters, numbers, punctuation), and translates them into a computer text file. Once the text is converted to this form, it can be "read" using some alternate output method, such as voice output. The recognition software also allows scanned text to be inserted into several popular word processing programs. The software is capable of recognizing several popular fonts, in sizes as small as 6 point and in bold or underlined form. The Scan 300/FB is a "flatbed" scanner, accepting single sheets up to 8.5" x 11".

The Scan 300/FB system does not actually provide for voice output or other special output forms; it only converts the printed material to computer text form. The Scan 300/FB can also be used to scan images (pictures, etc.) for use in graphics programs. The resolution of the scanner is 300 by 300 "dots" per inch.

Product Name: Scan 300/SF

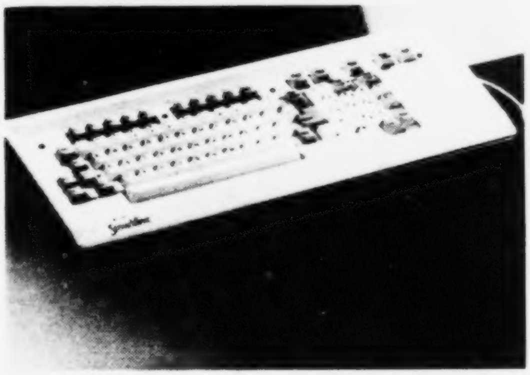
Vendor: Abaton Technology Corporation

Computer: IBM PC family

Cost: $2,595.00

Scan 300/SF is a device that scans a printed page and transfers the image to a computer. Special software recognizes the characters of the text (letters, numbers, punctuation) and translates them into a computer text file. Once the text is converted to this form, it can be "read aloud" using some alternate output method, such as voice output. The recognition software also allows scanned text to be inserted into several popular word processing programs. The software is capable of recognizing several fonts, in sizes as small as 6 point and in bold or underlined form. The Scan 300/SF accepts single sheets through a roller mechanism, in sizes up to 8.5" x 11".

The Scan 300/SF system does not actually provide for voice output or other special output forms; it only converts the printed material to computer text form. The Scan 300/SF can also be used to scan images (pictures, etc.) for use in graphics programs. The resolution of the scanner is 300 by 300 "dots" per inch.



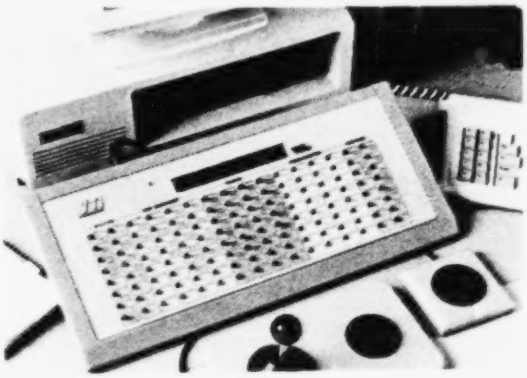
Product Name: Smartline Smartboard

Vendor: WICO Corporation

Computer: Apple II+, Apple IIe, IBM PC family

Cost: $399.95

Smartline Smartboard is a keyboard with programmable key layout and a trackball for cursor movement. The Smartboard can store custom keyboard layouts in memory, including one-handed Dvorak layouts if desired. Batteries keep memory in storage even when the computer is off. QWERTY and standard (not one-handed) Dvorak layouts are pre-programmed into the keyboard. Rolling the trackball is equivalent to moving the cursor with the "arrow" keys. The FUNCTION keys can each be programmed to send strings of characters (letters, numbers, etc.) to the computer. These strings can be up to 128 characters long, and are sent to the computer just as if they had been typed on the keyboard. The Smartboard also has an expansion port which allows the user to plug in other input devices such as digitizer pads or another computer keyboard.



Product Name: Turbo Select

Vendor: Venture Technologies, Inc.

Computer: Apple Macintosh, Commodore Amiga, IBM PC family, Tandy 1000

Cost: $2,795.00

Turbo Select is a programmable alternate computer input which can be controlled in a variety of ways. The Turbo Select itself is a control panel with a membrane surface and 128 keys, each with an LED. The user can control the Turbo Select through a variety of input techniques, including direct selection (pressing the keys), scanning (in which the lights illuminate in sequence or by rows and columns), directed scanning (selection with a joystick), or Morse code (with one or two switches). The user can program what output will be sent from the Turbo Select to the computer. Selecting a particular key might send a single character (the letter "a") to the computer, or it may send a string of characters, such as a command ("print"). More than one "table" of key definitions can be stored in the Turbo Select, and used when needed. The Turbo Select is connected to the computer through either the standard keyboard port or some other input port. The user can also adjust the input characteristics of analog input devices such as mice and joysticks. Options are being developed for optical and ultrasonic headpointing input.

Key definition tables can be downloaded from an IBM-PC.

107

VCS1000
INPUT 1
INPUT 2
OUTPUT VOLUME
AUDIO OUTPUT

Product Name: VCS1000

Vendor: Voice Control Systems

Computer: All (Hardware Independent)

Cost: $995.00

VCS1000 is a voice input system based upon phoneme unit recognition. Rather than recognizing particular voice patterns and comparing them to other recorded patterns of the same user's voice, the VCS1000 system analyzes a segment of speech into its component phoneme units. The system outputs the string of words as standard ASCII characters, giving it the potential to be interfaced to a number of electronic devices, including computers. Because the system analyzes general phoneme units, it does not have to be trained for a particular speaker. The system is provided with some basic pre-programmed vocabulary. Custom vocabularies can be made available from Voice Control Systems.

A number of pre-programmed recognition vocabularies are available for the VCS1000, including VoiceSentry (emergency words), and VoiceDirector (numbers and commands). In each case the output from the VCS1000 is in the form of RS-232 Serial ASCII code. The user must provide the software or hardware that will accept the commands or other input from the VCS1000 and execute the appropriate actions (dial the telephone, etc.).

No Photograph Available

Product Name: Voice Interactive Computer System

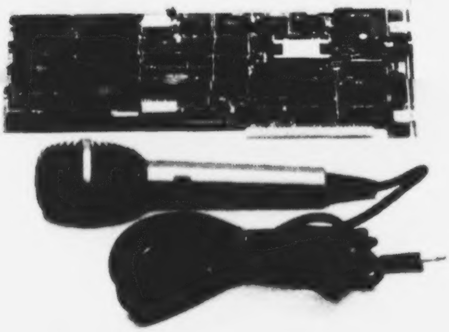
Vendor: Custom Product Marketing

Computer: IBM PC family

Cost: $3,250.00 - $6,500.00

Voice Interactive Computer System is a complete voice input and output computer system designed for disabled computer users. The system consists of a computer plus circuit cards and software for speech recognition and speech synthesis. The speech recognition portion of the system allows the user to operate standard commercial software using spoken utterances as input. The user "trains" the system to recognize a certain spoken word or phrase, and then assigns a set of characters (letters, numbers, commands, etc.) to that utterance. When the word or pharase is spoken, the set of characters is sent to the computer just as if it had been typed on the keyboard. The maximum length for a set of characters is 128. Once the user has the alphabet programmed, they can program other vocabulary using voice alone. The speech output portion of the system can be used to verify what the user has entered. The user can verify the input (for instance the command "print") before or after it is actually sent.

Voice Interactive Computer System is custom installed for each user. Prices are $6,500.00 with a stationary computer, $5,000.00 with a portable computer, and $3,250.00 for an existing computer.



Product Name: Voice-Key

Vendor: TASH, Inc.

Computer: IBM PC family

Cost: $1,200.00

Voice-Key is a voice input system for IBM-PC computers. The system consists of a microphone and a circuit card for the computer. The user trains the system to recognize certain spoken words by saying them into the microphone. The user then programs the system to associate each spoken word with a series of characters (letters, numbers, commands, etc.). When the system "hears" a word it recognizes, it sends the series of characters to the computer just as if they had been typed on the computer keyboard, allowing the user to run standard software. Each string of characters may be up to 64 characters long. A vocabulary of up to 128 words can be recognized at one time. Four such vocabularies can be stored in the circuit card's memory and recalled when needed. The maximum length of a recognized word is 0.2 to 2.0 seconds. A "mute" command will turn off the microphone if the user wishes to speak without activating the Voice-Key system.

Software provided aids the user in programming the desired input. The programming can be edited at any time, including while running another program.

Product Name: Words+ Software Keyboard Emulator (WSKE)

Vendor: Words+, Inc.

Computer: IBM PC family

Manual Form: Printed Manual

Cost: $395.00

Words+ Software Keyboard Emulator is a program that allows the user to operate standard software with three special input methods: single switch scanning, single switch Morse code, and dual switch Morse code. Whatever the user "types" by these methods is sent to the application program just as if it had been typed on the computer keyboard, allowing the user access to off-the-shelf software. In single switch scanning mode, an array of characters corresponding to the keyboard appears in a corner of the computer screen. A cursor moves through the characters, and the user indicates the desired "key" by activating a switch. In single switch Morse code mode, the user activates a switch for short and long intervals in order to generate Morse code dots and dashes. A special system of Morse code is used which has a code for every character on the computer keyboard. The dual switch Morse code mode uses one switch for dots and another for dashes.

WSKE will work with the Equalizer, Living Center, and E Z Talker communication programs (also from Words+). It is designed to work with IBM-PC's and compatibles, including portables.

Chapter 12

Input Devices Usable with Only Some Software

This chapter includes special input devices that can be used with computers but which do not provide "transparent" access; that is, they do not allow the user to operate all software that could be operated with an equivalent "standard" input device, such as a keyboard or mouse. Instead, these input devices are designed to be used in conjunction with software written expressly for them. If a special hardware or software adaptor is available that converts the input device to a transparent input device, then it is listed in Chapter 11 rather than here.

The title of this chapter is not meant to imply that these input devices are any less useful than the ones listed in Chapter 11, only that they require software written expressly for them. Many have substantial catalogs of popular compatible software. Contact the manufacturer of a particular device for information on compatible software.

Devices in this chapter are cross-listed by input type in Index 2. Appendix A contains information briefs of interest, including: Newsletters and Publications; Associations, Advocacy Groups and Self-Help Groups; Training Programs in Technology for Special Education; Software Resources; and others.

The following product entries appear in this chapter:

Hand Controls *4-99*
Soft-Touch *4-99*
TurboTouch 1310 *4-100*

The following product entries appear in the corresponding chapter in Book 3:

Commodore Light Pen *3-61*
DP-200 Connected Speech Recognizer *3-61*
Gibson Light Pen System *3-62*
KoalaPad *3-62*
Muppet Learning Keys *3-63*
Omnibox *3-63*
PowerPad *3-64*
Ten Key Board *3-64*
Touch Window *3-65*
VS1000 Voice Communications Device *3-65*

The following products from other chapters can also be used as Input Devices Usable with Only Some Software:

Electronic Talk Board *4-207*
Play and Match *4-187*
Voice Master *3-125*

YES
NO
NO
YES

Product Name: Hand Controls

Vendor: Marblesoft

Computer: Apple IIc, Apple IIe

Cost: $28.00

Hand Controls are a set of two push switches meant to be used with the Early Learning programs from Marblesoft. The buttons are clearly labeled "YES" and "NO," the two choices the program offers in its switch mode.

Product Name: Soft-Touch

Vendor: Aquila Technologies Group, Inc.

Computer: IBM PC family

Cost: $695.00 - $1,495.00

Soft-Touch is an alternate method of computer input employing infrared touch screen technology. A bezel (an open frame) equipped with light-emitting diodes surrounds the face of the computer screen. When the user crosses the plane of the bezel to touch the computer screen, information about the location where the screen is being touched is sent to the computer. Programming can be adjusted so that this information about location is interpreted into any desired input (such as the letter A or the number 4). In this way the user can run software by touching the screen rather than (or in addition to) typing on the keyboard.

Soft-Touch requires that software be created or modified to accept input from it. The Soft-Touch bezel is available either separately ($695.00) or built on to a monitor (1,495.00), and is compatible with IBM-PC computers. Contact the manufacturer about compatibility with particular monitors.

No Photograph Available

Product Name: TurboTouch 1310

Vendor: Personal Touch Corporation

Computer: Apple IIc, Apple IIe, IBM PC family

Cost: Contact manufacturer

TurboTouch 1310 is a color touch monitor. The user makes input to a program by touching the surface of the monitor screen. The monitor is a 13" diagonal Sony Trinitron. The touch surface consists of a 256 x 256 matrix of contact points. Both RS-232 and Analog interfaces are available for connecting the TurboTouch to the computer.

Special applications programs must be written which accept the TurboTouch as an input/output device. A TurboTouch Progammer's Toolkit (extra) facilitates creating such programs. Some possible applications are are graphics and educational activities.

Chapter 13

Input Adapters for Computers

This chapter covers special adapters that go between adaptive devices (switches, controls, keyboards, etc.) and the standard computer. These adapters have no function in and of themselves except to act as an adapter to allow the special input device to be plugged into the computer. The adapters may simply adapt from one type of connector to another (for instance a box that connects switch plugs to a joystick plug), or they may provide more sophisticated functions (for example keyboard emulating interfaces for adapting communication aids to computers).

Related functions cross-listed in Index 1 include Keyboard Emulation Interface (KE) and Switch or Controls (SW).

Appendix A provides a wide variety of resources of interest to disabled computer users, such as Newsletters and Publications; Associations, Advocacy Groups and Self-Help Groups; Books, Pamphlets and Organizations; etc.

Chapter 13: Input Adapters for Computers

The following product entries appear in this chapter:

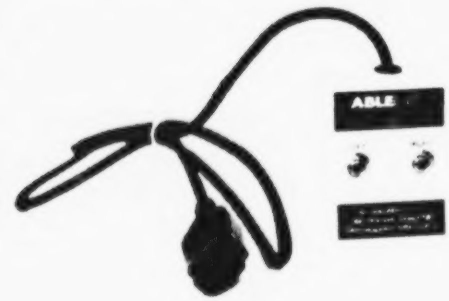
Computer Switch Interface *4-103*
Joystick Replacer Box *4-103*
Universal Input Adaptor *4-104*

The following product entries appear in the corresponding chapter in Book 3:

Apple Adaptor *3-69*
Apple Computer Input Adapter *3-69*
Apple IIe Input Adapter *3-70*
Apple Switch Interface *3-70*
Interface Box for Apple IIe *3-71*
Keyboard Interface for Apple IIe *3-71*
Keyboard Interfaces *3-72*
Keyscan II *3-72*
Multiple Switch Box for the Adaptive Firmware Card *3-73*
Paddle Adapple *3-73*
Paddle Panel *3-74*
PSS Joystick Adapter *3-74*
R/S II Series Wireless Link *3-75*
Switch Adapter for Apple IIe and II+ Computers *3-75*
Switch Interface *3-76*
TV Game-2 *3-76*
Wireless Data Transmission System *3-77*

The following products from other chapters can also be used as Input Adapters for Computers:

Adaptive Firmware Card *3-24*
Adaptive Firmware Card Model G32 *4-81*
SynPhonix 210 *4-128*
SynPhonix 220 *4-128*



Product Name: Computer Switch Interface

Vendor: AbleNet

Computer: Apple II family

Cost: $27.95

Computer Switch Interface is an adapter that allows one or two switches to be connected to an Apple II computer via its game port, like a joystick. The switches need to have mini-phone plugs, and the output connector is a 9-pin D game port connector. An adapter is also available to adapt the output connector to the older 16-pin internal game port connector in Apple II computers.

The Computer Switch Interface is meant to be used with software that accepts input from one or two switches.

No Photograph Available

Product Name: Joystick Replacer Box

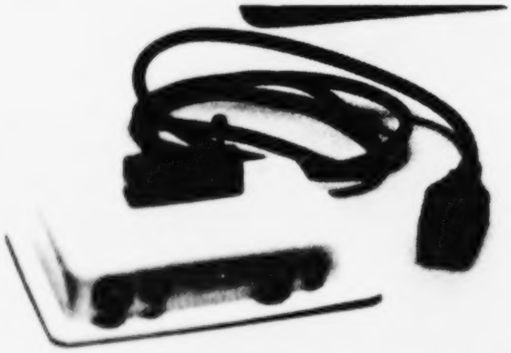
Vendor: Burkhart, Linda J.

Computer: Commodore 128, Commodore 64, VIC 20

Cost: $29.95

Joystick Replacer Box is an adapter that allows up to five switches to act in place of a joystick for a Commodore 64, 128 or VIC-20. If all five switches are used, pressing each one corresponds to up, down, left, right, and "fire" on the joystick. The Joystick replacer box with switches can operate any software designed to be operated with a joystick on these Commodore computers. A short program is provided which will control the 64-Talker or the VIC-Talker speech synthesizers (from Talktronics).

A special set of five treadle switches for the Joystick Replacer Box is available from Linda Burkhart ($40.00). The Joystick Replacer Box can also control the Light Talker communication aid (from Prentke-Romich Company), when that aid is used in the joystick mode.



Product Name: Universal Input Adaptor

Vendor: Steven E. Kanor, Ph.D., Inc.

Computer: Apple II family

Cost: $45.00

Universal Input Adaptor is an adaptor that allows a variety of controls to be connected to a computer's game port. There are two 1/8" mini-phone jacks and two 1/4" phone jacks for plugging in switches. The Universal Input Adaptor also accepts input from joysticks. The output connectors can either be 16-pin connectors (for the Apple II+) or 9-pin connectors (for the Apple IIe or IIc).

Chapter 14

Alternate Display Systems Usable with All Software

This chapter covers special output systems that can be used to supplement or instead of the standard computer display (the screen). These output systems provide large print, synthesized voice, or tactile patterns (such as braille) as output. The products included in this chapter are generally those which (1) provide "transparent" access to standard commercially available software, and (2) provide ongoing, changing output, such as the screen would provide. Braille printers are not included, for instance, because they do not provide dynamic, changeable output: once a character is printed, it stays printed. (Braille printers are included in Chapter 15.) A word processing program with large print would not appear here because it is only a single application program, not a program that provides access to other software. (Such a program would appear in Chapter 22, Personal Tool or Aid Software.)

Some of the voice output screen access programs ("screen reading"programs) require a speech synthesizer to be purchased separately. Speech synthesizers are listed in Chapter 16.

Some of the functions in Index 1 (Products Listed by Function) which relate to products in this chapter are: Large Print (LP) , Screen Display to Voice (SV) and Braille (BR).

Some pertinent resource listings in Appendix A are: Information Resources for Blind and Visually Impaired Individuals; Computer Assessment and Training Programs for Disabled Individuals; and Books, Pamphlets and Organizations.

The following product entries appear in this chapter:

Bigprint *4-107*
Blackboard *4-107*
Braille 'n Speak *4-108*
Braille Interface Terminal (B.I.T) *4-108*
Business Vision *4-109*
Easy Vision *4-109*
Echo Commander *4-110*
Flipper *4-110*
IBM Personal System/2 Screen Reader *4-111*
Large Print DOS *4-111*
MacProjector Model I & II *4-112*
Printer Control Program *4-112*
SKERF-Pad *4-113*
Speaqualizer *4-113*
Speech Enable *4-114*
TexTalker 3.1.2 *4-114*
Travel Talk *4-115*
Verbal Convertible *4-115*
Verbal Operating System *4-116*
Verbal View *4-116*
VersaBraille II+ *4-117*
Video-Voice *4-117*

The following product entries appear in the corresponding chapter in Book 3:

Artic Vision *3-81*
AudiBraille Computer *3-81*
Basic Interpreter for the Blind *3-82*
Beamscope II *3-82*
Brailink III *3-83*
Braille Display Processor *3-83*
BraT *3-84*
Compu-Lenz *3-84*
Enable Reader *3-85*
Enhanced PC Talking Program *3-85*
Expand-a-View *3-86*
Freedom 1 *3-86*
inLARGE *3-87*
K Talker *3-87*
Keynote *3-88*
Large Print Display Processor *3-88*
LimeLight *3-89*
Lyon Large Print Program *3-89*
Magic Keyboard *3-90*
MagniLink *3-90*
Optacon *3-91*
PC Lens *3-91*
PC Speak *3-92*
PC Vert *3-92*
PC Voice *3-93*
PC-Braille *3-93*
Print-it *3-94*
ProTERM *3-94*
PROVOX *3-95*
SCAT (Screen Articulator) *3-95*
Screen-Talk Pro *3-96*
Soft Vert *3-96*
Talking TermExec *3-97*
Tall Talk Prints *3-97*
Tall Talk Screens *3-98*
Textalker.Blind and Other Echo Utilities *3-98*
V.P. *3-99*
Vantage *3-99*
Vert Plus *3-100*
Viewscan Text System *3-100*
Vista *3-101*
Words-to-Voice *3-101*

The following products from other chapters can also be used as Alternate Display or Output Systems Usable with All Software:

Kurzweil Reading Machine *4-85*
Microbrailler 2400 *3-107*
UNI-PTC TDD *4-216*
Voice Interactive Computer System *4-94*

Product Name: Bigprint

Vendor: Regenesis Development Corporation

Computer: Apple IIe

Manual Form: Electronic Manual

Cost: $30.00

Bigprint is a program for generating large characters on an Apple IIe screen. All characters that normally go to the screen are routed through the Bigprint program first, then sent to the screen, where they appear four times the regular size. Bigprint is compatible with Applesoft BASIC programming when used alone, and will work with many Applesoft BASIC programs, though it is not compatible with all Apple IIe software.

No Photograph Available

Product Name: Blackboard

Vendor: Peripheral Technologies, Inc.

Computer: Apple IIe

Manual Form:

Cost: $995.00

Blackboard is an internal circuit card for the Apple IIe that allows the contents of the computer screen to be read back via a speech synthesizer. The card inserts in expansion slot 3 of the computer, and connections are provided for a speech synthesizer (extra) and a footswitch. Holding the footswitch, down activates the Blackboard and allows the user to review the contents of the computer screen at any time. The user can determine how much and which part of the computer screen will be read back. The Blackboard will provide speech output for any text-based Apple program, and is "transparent" to the program being run: that is, it provides the speech output without interfering in the program's normal operation. The Blackboard does not consume any of the Apple IIe's memory, and its operation is not affected by the RESET button. The Blackboard permits access to all the standard synthesizer commands, provides an audible cursor, and allows the user to set character filters and screen masks to block certain characters.

The Blackboard IIe requires an enhanced Apple IIe with 80-column card, and is compatible with Echo and Votrax PSS speech synthesizers.

No Photograph Available

Product Name: Braille 'n Speak

Vendor: Blazie Engineering

Computer: All (Hardware Independent)

Cost: $895.00

Braille 'n Speak is a portable talking notebook with braille keyboard. The user can type text in the same manner as on a braille writer, and review the text with the Braille 'n Speak's built-in speech synthesizer. About 200,000 characters (about 200 braille pages) can be stored in the Braille 'n Speak's non-volatile memory, and can be retained in storage when the unit is turned off. The user can recall, review and edit these stored files. Text can also be transferred to a stationary computer via the Braille 'n Speak's built-in RS-232 serial port. Text can also be sent to a printer. Text can be typed in Grade 2 braille and automatically translated into standard spelling for printing. A talking clock and calendar are provided and a talking calculator is available as an option. The Braille 'n Speak also has a TTL serial port for telecommunications.

Braille 'n Speak is powered by rechargeable nickel-cadmium batteries, and comes with a battery charger and headphones.

Braille
Interface
Terminal

Product Name: Braille Interface Terminal (B.I.T)

Vendor: Telesensory Systems, Inc.

Computer: IBM PC family

Cost: $4,195.00

Braille Interface Terminal (B.I.T.) is a device with a refeshable braille display which provides a 20-character braille "window" for the IBM-PC computer. The B.I.T. connects to the PC via a circuit card that plugs into the PC. The refreshable braille display on the B.I.T. displays a 20-character segment of the information appearing on the screen of the computer. The braille characters are formed by sets of small pins which raise and lower electronically. The user can determine what segment of the screen will appear on the B.I.T.'s display using either keyboard commands or a special joystick provided. The user can manuever around the screen in a desired direction by pushing the joystick in that direction. The B.I.T. unit has a braille keyboard that can be used to control the operation of the B.I.T. and also to enter data into the computer. Special functions include the ability to move to either end of a line or screen, the ability to bring the editing cursor to a particular spot automatically, and the ability to find particular text.

For current users of the VersaBraille II or II+, a program is available which allows the VersaBraille to function like the B.I.T.

Product Name: Business Vision

Vendor: Artic Technologies

Computer: IBM PC family

Manual Form: Braille/Tactile Manual, Electronic Manual, Printed Manual

Cost: $495.00

Business Vision is a screen-to-voice program designed especially to work with spreadsheet software. Business Vision is not restricted to use with particular software, but provides synthesized voice output of text appearing on the screen in almost any application program. The program works in two modes, Ap-Track (Application Tracking) and Review. In Edit mode the user has the option of hearing each letter spoken as it is typed in. In Ap-Track mode the user can also hear the location of the cursor spoken, including its location in a spreadsheet matrix. In Review mode, the user can select what portion of the screen is spoken by the synthesizer. Text can be reviewed by the character, by the word, by the line, etc. The user can review up and down columns as well. Business Vision also has a built-in talking calculator. The calculator has ten levels of memory, and the user can "back up" and read previous entries.

A SynPhonix speech synthesizer (also from Artic Technologies) is required to use Business Vision. Artic Vision and Easy Vision (other screen reading programs from Artic Technologies) can be upgraded to Business Vision if desired.

Product Name: Easy Vision

Vendor: Artic Technologies

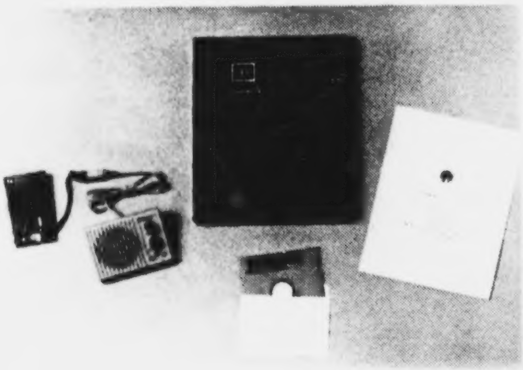
Computer: IBM PC family

Manual Form: Braille/Tactile Manual, Electronic Manual, Printed Manual

Cost: $250.00

Easy Vision is a program that can speak the contents of the computer screen. Easy Vision is a simplified version of Artic Vision (also by Artic Technologies), having the same basic features but lacking some of the more advanced synthesizer control features. Like Artic Vision, Easy Vision will provide voice access to the screen for most any applications program. The user can either type in Edit mode or review the screen contents in Review mode. In Edit mode the user has the option of hearing each letter echoed as it is typed, and can determine the position of the cursor on the screen. In Review mode, the user can determine the portion of the screen to be read back (letter, word, line, etc.).

Easy Vision requires a SynPhonix speech synthesizer (also from Artic Technologies). Easy Vision can be upgraded to Artic Vision or Buisiness Vision for the difference in cost between the two programs.



Product Name: Echo Commander

Vendor: American Printing House for the Blind (APH)

Computer: Apple II family

Cost: $209.10

Echo Commander is a modified Echo+ speech synthesizer (from Street Electronics) designed to provide synthesized voice access to standard commercial software. The system consists of: a circuit card for the computer (the Echo+), an external speaker box, and TexTalker 3.1.2 software (also by APH; see entry). The external speaker box has volume and rate controls for the speech, plus output jacks for headphones and recording. The TexTalker program provides voice output of screen information for many Apple programs (contact APH for more information on software compatibility).

Product Name: Flipper

Vendor: Omnichron

Computer: IBM PC family

Manual Form: Audiotape Manual, Braille/Tactile Manual, Printed Manual

Cost: $250.00 - $450.00

Flipper is a voice-output screen access program. The program reads back the contents of the computer screen via a speech synthesizer. Flipper works while the user is running another program, allowing access to standard applications software. The user can select what portion of the screen is read back by typing in certain keys on the keyboard. Flipper will also announce the position of the cursor on the screen, and announce features of the text such as color or inverse video. The program can be commanded to search for particular text, or for particular video attributes (like inverse video). Other features of Flipper include: optional pronunciation of capital letters, temporary pausing of the speech output, and reading of digits separately or as numbers. Text can be read or spelled without entering review mode. Online help is provided.

Flipper works with the SynPhonix 200 or Votalker IP speech synthesizers (by Artic Technologies and Votrax, respectively).

Product Name: IBM Personal System/2 Screen Reader

Vendor: IBM Direct Response Operations

Computer: IBM PS/2 family

Cost: $600.00

IBM Personal System/2 Screen Reader is a keypad-based control system that enables the user to read computer screen information using a speech synthesizer. The Screen Reader works with standard commercially available software. Using a special keypad, the user can specify what part of the screen is to be read back, and how it is to be read back–by the character, word, line, sentence, paragraph, partial screen or full screen. With the Screen Reader's "autospeak" feature, the user can specify up to 20 areas of the screen to be monitored, so that any change in their contents will be automatically announced. This allows the user to detect error or status messages as soon as they appear. With the Screen Reader's "windowing" capability, the user can read a specified "box" text. The Profile Access Language software provided allows the user to specify custom sets of keypad commands tailored for particular applications software.

The Screen Reader system consists of the keypad, special software, and documentation. A speech synthesizer is required; contact IBM about compatible models.

Product Name: Large Print DOS

Vendor: VisionWare

Computer: IBM PC family

Manual Form: Printed Manual

Cost: $495.00

Large Print DOS is a screen access program that displays large print on the computer screen. The user can choose from a range of 25 larger print sizes, up to 12 times normal size, while running standard commercial software. Everything the user types or the computer displays appears in large print. The program operates in two modes, typing and review. In the typing mode, the user sees the screen information from the applications program, including changes as they occur. Large Print DOS tracks both standard and non-standard cursors. In review mode, the user can move around the screen using the arrow keys, or move directly to specific screen locations using letter keys. In review mode, the user can also change magnification, reduce to standard size, select foreground/background color, or reverse or non-reverse video via single keystroke commands.

A CGA or EGA graphics card is required to use Large Print DOS. A MDA (or Hercules) card is also strongly recommended. With the MDA card, the user can see large print on the CGA screen and view normal size print on the MDA screen at the same time.

No Photograph Available

Product Name: MacProjector Model I & II

Vendor: Comtrex, Ltd.

Computer: Apple II family, Apple Macintosh, IBM PC family

Cost: $3,980.00 - $4,980.00

MacProjector is a device that projects an image of a computer screen on to a surface up to ten feet wide. Any text or graphics on the computer screen can be enlarged, and the computer can be in use while the projector is connected. MacProjector can project on to flat or curved screens.

MacProjector I ($3,980.00) is compatible with the Apple Macintosh if used with the VidiMac Interface (also available from Comtrex), and compatible with the IBM-PC if used with a composite video card. Contact the manufacturer for more information on these video adapters. MacProjector II ($4,980.00) presents the screen image in true black and white (not green), and is also available in a color model ($14,980.00). The MacProjector II is compatible with the Macintosh if used with the VidiMac or MultiMac video interfaces.

Product Name: Printer Control Program

Vendor: Hauck, David

Computer: Apple II+, Apple IIe

Manual Form: Printed Manual

Cost: $79.00

Printer Control Program is a program that can produce large print output from text files created with a word processing program. The user can select from 40 different type styles. The Printer Control Program is loaded before the word processing program. The user then generates a document with the word processing program (characters are not enlarged on the screen), and prints it. Printed output will come out in one of the 40 type styles by the operator.

Printer Control Program works with various word processors such as: Bank Street Writer, Braille-Edit, Apple Writer, ect. Recommended printers for this program are the Apple Dot, Apple Imagewriter, and the Imagewritter II. Inquiries about other programs or printers may be made by contacting David Hauk.

No Photograph Available

Product Name: SKERF-Pad

Vendor: Smith-Kettlewell Eye Research Foundation

Computer: IBM PC family

Cost: Contact manufacturer

SKERF-Pad is a voice-output screen access system. The user touches a pad, and the corresponding area of the computer screen is read back in a synthesized voice. The pad has horizontal guides for moving across lines of text. The SKERF-Pad will provide voice output access to standard application software the user is running.

A serial speech synthesizer is required to use the SKERF-Pad. Contact Smith-Kettlewell for price and ordering information.

No Photograph Available

Product Name: Speaqualizer

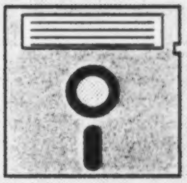
Vendor: American Printing House for the Blind (APH)

Computer: IBM PC family

Cost: $795.95

Speaqualizer is a hardware-based system that provides voice output of information appearing on the computer screen. The Speaqualizer is "transparent," providing voice output for any software that sends character data to the screen and uses the operating system cursor. The Speaqualizer system consists of three parts: an internal circuit card for the computer, a control box, and a connecting cable. A keyboard on the control box is used to control what section of the screen will be read back and how it will be read. The user can adjust the speed and volume of the synthesized speech at any time, even while the Speaqualizer is talking. The user can also silence the speech at any time. The user can opt to hear each character read back as it is typed on the computer's keyboard. Upper case letters are signalled by a higher pitch of the voice. The Speaqualizer can review text displayed in columns.

Because it is hardware-based, the Speaqualizer does not consume any of the computer's memory while in operation.



Product Name: Speech Enable

Vendor: PC-SIG

Computer: IBM PC family

Manual Form: Electronic Manual

Cost: $28.00

Speech Enable is a program that provides voice output of the information on the computer screen. The program is designed to be transparent, allowing it to be used with standard applications software. The user can control the amount of text read back, and the way in which it is read back.

A compatible speech synthesizer is required to use Speech Enable. The program is available through PC-SIG's library of user-supported and public domain software.

Product Name: TexTalker 3.1.2

Vendor: American Printing House for the Blind (APH)

Computer: Apple II family

Manual Form: Braille/Tactile Manual, Electronic Manual, Printed Manual

Cost: $15.81

TexTalker 3.1.2 is a version of the Textalker.Blind program that comes on the Echo speech synthesizer utility disk. This version, by the American Printing House for the Blind, adds new features designed to improve access by speech. The program provides speech output of text displayed on the computer screen, allowing access to standard software programs for users unable to see the screen. Some new features include: review of tabular information by the column, repeat filter to eliminate multiple characters, faster selection of lines in review mode, ability to enter review mode at any time, and removal of pronunciation of "backspace" for left arrow key. TexTalker also provides "Intro," an electronic version of the manual readable with the Echo, and "Review," a program that provides control over the Echo's various speech modes.

An Echo speech synthesizer is required to use TexTalker. Versions are available for DOS 3.3 or ProDOS.

Product Name: Travel Talk

Vendor: Automated Functions, Inc.

Computer: All (Hardware Independent)

Cost: $1,495.00

Travel Talk is a portable talking computer. Travel Talk is a modified NEC PC-8300 computer. A built-in speech synthesizer provides spoken output of all information that goes to the computer screen. This allows the user to operate any standard commercial software that runs on the PC-8300, without having to be able to see the screen. The user can control what portion of the screen is read back (letter, word, line, etc.), and the speed at which the synthesizer reads. The user can also hear where the cursor is on the screen, hear each letter echoed as it is typed (if desired), hear when text is in reverse video, and stop the voice output with a single command.

Travel Talk comes equipped with the disk operating system, word processing software, calculation software, and the BASIC programming language. The computer has an internal memory of 64K. A 128K non-volatile memory cartridge and a 3.5" external disk drive (extra) are available. Travel Talk comes with external volume and pitch controls, a built-in speaker, a jack for headphones, an AC adaptor, headphones, carrying case, and serial and parallel ports for connection to a printer or other peripherals.

No Photograph Available

Product Name: Verbal Convertible

Vendor: ComputAbility Corporation

Computer: IBM Convertable

Cost: $3,850.00

Verbal Convertible is a complete computer system with voice output based on the IBM PC Convertible portable computer. The system can be used to speak typed-in messages (for communication), or to run standard IBM software with speech output. The components are: an IBM PC Convertible, system applications and application selector, DOS 3.2 operating system, a special interface that allows peripheral circuit cards to be inserted in the Convertible, the Votalker IB speech synthesizer card (see entry, Votrax International), and the Enhanced Talking PC Program (see entry, Computer Conversations). The Enhanced Talking PC Program provides voice output of whatever appears on the computer screen, and functions with most standard IBM-PC software. The system applications that come with the Verbal Convertible are Notewriter, Calculator, Phone List, and Schedule. The application selector allows the user to load any of these with a single keystroke. Printer for the system is optional (extra).

The special interface that allows expansion cards to be added to the Convertible is also available separately, for $780.00.

Product Name: Verbal Operating System

Vendor: Computer Conversations

Computer: IBM PC family

Manual Form: Electronic Manual, Printed Manual

Cost: $550.00

Verbal Operating System (VOS) is a set of programs that provide voice output of screen information. The programs are a series of modules, each with a different function. The user may use only those modules desired. Module 1 is the basic screen access program, the PC Talking program. It sends screen information to a speech synthesizer, and provides the user with the means to navigate around the screen and read selected portions of text using only voice output. The screen can be read with voice while the user is running other software, and most all commercially available software can be made to speak. VOS does not use separate reading and application cursors. Module 2 is the Verbal Online Assistant, a system of "help" information. Module 3 is Verbal Macros, software that allows the user to program single keys to send strings of characters up to 2,000 keystrokes long. Module 4, Verbal Finder, will locate specified string of up to 80 characters on the screen. Module 5, Verbal Profile, lets the user configure the talking system to meet their personal needs. Module 6, Htype, lets the user page through several documents. Module 7, Verbshel, is a menu-driven version of VOS.

Product Name: Verbal View

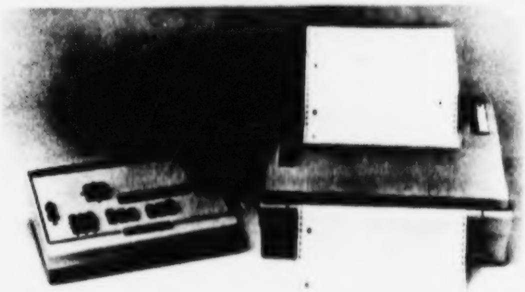
Vendor: Computer Conversations

Computer: IBM PC family

Cost: $249.95

Verbal View is a large print program for IBM-PC computers. The program runs along with the user's application program, presenting the normal screen information in enlarged characters. Characters are presented in US Bureau of Standards fonts, and can be three different sizes. Blocks of text or single lines can be selected and enlarged. Enlargement can be turned on and off with single keystrokes. The user can move down the screen as desired or set an automatic line reading function that moves one line at a time at a preselected speed. On a color monitor, characters can be displayed in 16 different colors.

Verbal View requires no hardware modifications to the computer, and supports enlargement of ASCII characters only.



Product Name: VersaBraille II+

Vendor: Telesensory Systems, Inc.

Computer: IBM PC family

Cost: $4,995.00 - $6,195.00

VersaBraille II+ is a portable computing and word processing device with a 20-character refreshable braille display. The user can enter text on the device's braille keyboard. The text can be read back on the display which consists of a set of 20 cells, each consisting of a group of small reeds that can be electronically raised to form braille characters. The VersaBraille can be connected to personal computers or modems by standard serial and parallel ports. A special program called B.I.T. (available as an option) allows the VersaBraille II+ to provide access to screen information on an IBM-PC. The VersaBraille II+ has a built-in 3.5" floppy disk drive for saving files. One or two additional external battery powered disk drives can be added. The VersaBraille II+ has built-in braille and standard print formatting capabilities. Output can be sent directly from the VersaBraille II+ to braille or ink printers.

Software for translating between grades 1 and 2 of braille is also available as an option.

Product Name: Video-Voice

Vendor: Grassroots Computing

Computer: IBM PC family

Manual Form: Printed Manual

Cost: $250.00

Video-Voice is a program that reads the contents of the computer screen via a speech synthesizer. The program is designed to be transparent, providing access to standard computer software. The user can run the application program as usual in "Edit" mode, or enter "Review" mode and hear the contents of the screen. Video-Voice also offers the option of issuing Review mode commands without having to switch to Review mode. The user can select the amount of text read back–including reading the current, previous or following line or word, and reading the previous sentence or paragraph. The program also allows the user to set the pitch and rate for the speech synthesizer. Video-Voice can read columns as well as horizontal lines of text. The user can automatically search for particular text or for particular video attributes (color or reverse video).

Video-Voice works with a number of brands of speech synthesizers. The program occupies 140K of RAM memory.

Chapter 15

Braille Printers and Tactile Display Components

This chapter includes devices that have either braille or other tactile output. It includes both braille printers (also known as embossers) and portable braille "notebooks" with refreshable braille displays. Some of these self-contained braille notebooks have optional software that allows them to be connected to a microcomputer and to display information from the computer's screen on their braille display. Since it provides the user with access to the standard computer, this screen-access software is listed in Chapter 11, Alternate Display Systems Usable with All Software.

Software for braille word processing or formatting braille documents can be found in Chapter 22, Personal Tool or Aid Software. Programs for teaching braille or braille transcription appear in Chapter 20, Education, Training and Therapy Software.

Hardware or software that has braille output can also be located by looking in Index 2 under the input/output features Braille Output (ODB) and Tactile/Braille Display (ODT). Appendix A contains various information summaries such as Information Resources for Blind and Visually Impaired Individuals.

Chapter 15: Braille Printers and Tactile Display Components

The following product entries appear in this chapter:

Braille-N-Print *4-121*
Marathon Brailler *4-121*
Pocket-Braille *4-122*
Porta-Braille *4-122*

The following product entries appear in the corresponding chapter in Book 3:

Thiel Braille Printer BETA X-3 *3-105*
Cranmer Modified Perkins Brailler *3-105*
Electronic Typing Fingers *3-106*
INDEX *3-106*
MBOSS-1 *3-107*
Microbrailler 2400 *3-107*
MPRINT *3-108*
Ohtsuki Printer *3-108*
Personal Brailler *3-109*
Romeo Brailler *3-109*
TED-600 Text Embossing Device *3-110*
TRI-170 Braille Terminal Embosser *3-110*
VersaBraille *3-111*
VersaPoint Braille Embosser *3-111*

The following products from other chapters can also be used as Braille Printers or Tactile Display Components:

Brailink III *3-83*
BraT *3-84*
Optacon *3-91*
VersaBraille II+ *4-117*

BRAILLE-N-PRINT II

Product Name: Braille-N-Print

Vendor: Sensory Aids Corporation

Computer:

Cost: $875.00

Braille-N-Print is a grade two Braille translation device that works in conjunction with a standard Perkins Brailler. Braille-N-Print connects mechanically to the Perkins, decodes grade two Braille, and sends the decoded text to a standard printer. Thus the user may produce Braille output and "inkprint" output at the same time. Braille-N-Print has a memory buffer that allows for storage of up to three pages of text.

Braille-N-Print has been adopted and distributed by the manufacturer of the Perkins Brailler, Howe Press.

No Photograph Available

Product Name: Marathon Brailler

Vendor: Enabling Technologies Company

Computer: All (Hardware Independent)

Cost: Contact manufacturer

Marathon Brailler is a braille printer that embosses at a speed of 200 characters per second. The Marathon Brailler embosses on tractor feed paper, in widths from 1.5 to 13.5 inches; page lengths of 10 to 14 inches; and paper weights of 20 to 100 pound tag. The user sets printing control parameters with a built-in keypad (not dip switches). Up to 16 different sets of parameters can be stored in the Marathon's permanent memory. Eight pre-programmed sets for popular microcomputer configurations are provided with the system. Control parameters can be verified by looking at a visual display or by printing them out on the brailler.

A typewriter style keyboard and braille keyboard that can connect directly to the Marathon are available as options.

No Photograph Available

Product Name: Pocket-Braille

Vendor: Southland Manufacturing Company

Computer: All (Hardware Independent)

Cost: $900.00

Pocket-Braille is a portable notetaking device with speech output. The user types text into the unit via a built-in braille keyboard. Text can be reviewed using the built-in speech synthesizer. Text can also be sent to or received from a computer via serial and parallel ports provided, allowing the user to edit and review text from the computer using the Pocket-Braille's keyboard and voice output.

Text can be stored permanently (when the power is off) using either an optional add-on memory unit or an interface to a cassette tape machine (memory unit or interface extra). A device called "Screen Door" is available for the IBM-PC or Apple II computers. "Screen Door" allows the user to "see" and move around the material displayed on the computer's screen using the Pocket-Braille's voice output.

No Photograph Available

Product Name: Porta-Braille

Vendor: Southland Manufacturing Company

Computer: All (Hardware Independent)

Cost: $1,500.00 - $2,000.00

Porta-Braille is a portable notetaking device with refreshable braille output. The user types information into the unit via a built-in braille keyboard. The text can then be reviewed using the built-in refreshable braille display. The display consists of twenty sets of electronically operated pins, each set corresponding to a single braille character. The pins raise and retract to form different braille characters, which the user reads by placing their fingers on the display. Porta-Braille can be operated on rechargeable batteries or a wall transformer (120V AC). Text can be sent to or recieved from a computer via serial and parallel ports (provided), allowing the user to review and edit text from a computer using the Porta-Braille's display and keyboard.

Text can be stored permanently (when the power is off) using either an add-on external memory unit or an interface to a cassette tape machine (memory unit or interface extra). An optional built-in speech synthesizer is also available at extra cost. An optional device called "Screen Door" allows the user to "see" and move around the screen of an IBM-PC or Apple II using the Porta-Braille.

Chapter 16

Speech Synthesizers

This chapter includes both hardware and software speech synthesizers. Together with a "text-to-speech" program (frequently provided with the synthesizer), these devices can produce phonetically correct speech from electronic text. This makes speech synthesizers suitable for a number of different applications, including voice output software for communication (Chapters 20 and 22), voice output educational programs (Chapter 20), and screen access programs for visually impaired computer users (Chapter 11).

These synthesizers are components designed to be used by other application programs. Some are circuit cards that install inside a computer; others are external components that connect to an input/output port on the computer. Some brands are designed for specific software; others can be operated with any software that is compatible with the right type of synthesizer.

Hardware and software products that use speech synthesizers are cross-listed under a number of functions in Index 1, including Screen to Voice (SV), Phone Control (PC) and Education, Training and Therapy (ET). In Index 2, check Output/Display: Speech (ODS). Contact the synthesizer manufacturer for more information about what software works with a particular model.

The following product entries appear in this chapter:

BOSS (Battery Operated Speech
  Synthesizer) *4-125*
Echo IIb *4-125*
MicroVox *4-126*
Portable DECtalk *4-126*
Speech Adapter for PC Convertible *4-127*
Sweet Talker II *4-127*
SynPhonix 210 *4-128*
SynPhonix 220 *4-128*
Voice Synthesizer Team *4-129*

The following product entries appear in the corresponding chapter in Book 3:

CallText 5000 *3-115*
CallText 5050 *3-115*
Cricket *3-116*
DECtalk *3-116*
Echo + *3-117*
Echo GP *3-117*
Echo PC2 *3-118*
Intex-Talker *3-118*
Mockingboard *3-119*
Personal Speech System *3-119*
Slotbuster *3-120*
SmoothTalker *3-120*
Software Automatic Mouth (SAM) *3-121*
Super Voice *3-121*
Supertalker *3-122*
SynPhonix 100 *3-122*
SynPhonix 200 *3-123*
Synphonix jr *3-123*
Type-'N-Talk *3-124*
Ufonic Voice System *3-124*
Voice Master *3-125*
Votalker AP *3-125*
Votalker C-64 *3-126*
Votalker IB *3-126*

The following products from other chapters can also be used as Speech Synthesizers:

IBM Augmented Phone Services *4-209*
IntroVoice VI *4-84*
Lis'ner 1000 *4-86*
Smoothtalker for Light Talker and Touch
  Talker *4-40*
Voice Communications Option *3-53*
Voice Interactive Computer System *4-94*

No Photograph Available

Product Name: BOSS (Battery Operated Speech Synthesizer)

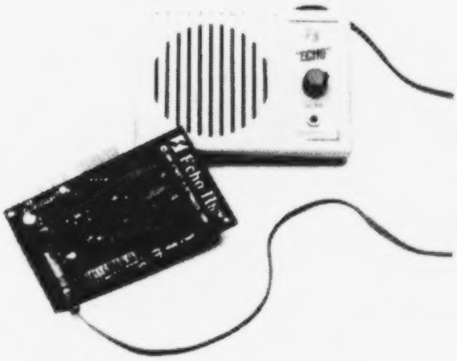
Vendor: Automated Functions, Inc.

Computer: IBM PC family

Cost: $399.00

BOSS (Battery Operated Speech Synthesizer) is an external speech synthesizer powered by batteries. Text is transferred from a computer to the BOSS via a standard serial or parallel port. The BOSS translates the text into the correct English pronunciation and speaks it through a built-in speaker. Volume and pitch can be controlled with knobs on the BOSS. Speech rate can be adjusted by commands sent from the computer, from 75 to 300 words per minute. The BOSS can be powered by a rechargeable battery, a standard nine-volt transistor battery, or 120 volts AC (wall power). A headphone jack is provided.

The user must provide software on the computer which is designed to send the appropriate output to the BOSS. The BOSS will work with most any screen access or communication program designed to be connected to a synthesizer via standard serial or parallel ports.



Product Name: Echo IIb

Vendor: Street Electronics Corporation

Computer: Apple II+, Apple IIe, Apple IIgs

Cost: $129.95

Echo IIb is a speech synthesizer for the Apple IIGS, II+, and IIe. The Echo IIb consists of a circuit card (fits in an expansion slot in the Apple), and an external speaker unit with volume control and headphone jack. The Echo IIb has two voices: a natural sounding female voice with a limited vocabulary (about 700 words) and a robotic voice with unlimited vocabulary (works by pronunciation rules).

Programs can be written for the Echo IIb; there are also many programs already designed for use with the Echo IIb (contact Street Electronics for a list). This model will also work with many programs written for the Echo II or Echo +. The Echo IIb comes with a disk containing a number of demonstration and utility programs.

Product Name: MicroVox

Vendor: Micromint, Inc.

Computer: All (Hardware Independent)

Cost: $279.00

MicroVox is a self-contained speech synthesizer that connects to a computer's serial or parallel output port. Text is routed to the MicroVox just as it would be to a printer. The MicroVox's built-in text-to-speech program converts the text to correct English pronunciation, and the speech comes from a built-in speaker. A 3000 character buffer allows text to be sent to the synthesizer faster than the synthesizer can actually speak it.

MicroVox will work with software designed for a serial or parallel speech synthesizer.

No Photograph Available

Product Name: Portable DECtalk

Vendor: Institute on Technology, Children's Hospital

Computer:

Cost: $3,000.00

Portable DECtalk is a DECtalk speech synthesizer (Digital Equipment Corporation) designed to be mounted on a wheelchair and connected to a personal computer or communication aid. The device must be programmable to run the DECtalk. The DECtalk is equipped with its own rechargeable battery, and is enclosed in a waterproof case which attaches to the user's wheelchair. An energy saving "sleep-wake" feature allows the DECtalk to cut its power consumption when not in use. The DECtalk synthesizer provides highly intelligible speech, in several selectable voices (adult males, adult females, and child). These voices can be selected using either a dial on the DECtalk or selection areas on the communication aid itself, if the aid is so programmed.

The price listed includes DECtalk, case, and cabling. Price does not include communication aid.

No Photograph Available

Product Name: Speech Adapter for PC Convertible

Vendor: IBM Corporation

Computer: IBM Convertable

Cost: $495.00

Speech Adapter is a speech synthesizer for the IBM-PC Convertible. The Speech Adapter plugs into the color CRT adapter for the Convertible, and generates synthesized speech based upon the output sent to it from the computer. The Speech Adapter can produce speech in two ways. First, the user can speak into a microphone. The system will digitally store words and phrases and play them back just as they were recorded. The second method is to send particular speech data from the computer to the Speech Adapter. The Adapter then generates speech from this data. This option provides the possibility of text-to-speech translation. A 196 word pre-programmed vocabulary is provided. The user can access the Speech Adapter by writing BASIC programs that send output to it. The Speech Adapter is also designed to work with the Listen to Learn educational software. Listen to Learn includes a program called TALK.COM which provides for text-to-speech.

A Color CRT Adapter, Color CRT and Convertible AC adapter are required to use the Speech Adapter. Contact an IBM dealer for ordering information.

No Photograph Available

Product Name: Sweet Talker II

Vendor: Micromint, Inc.

Computer: Apple II+, Apple IIe

Cost: $100.00

Sweet Talker II is an internal speech synthesizer for Apple II+ or IIe computers. The Sweet Talker plugs into an expansion slot in the computer. An external speaker (not included) must be connected to the circuit board. A text-to-speech program is provided. This program is designed to translate computer text into correct English pronunciation, so the synthesizer can pronounce it properly. The user can control a variety of variables of the speech synthesizer's operation, including pitch and speed.

The text-to-speech software is written for Apple DOS 3.3, and the Sweet Talker requires an Apple II+ or IIe with an 80-column board and one disk drive. Contact the manufacturer about what software will work with the Sweet Talker.

No Photograph Available

Product Name: SynPhonix 210

Vendor: Artic Technologies

Computer: IBM PC family

Cost: $295.00

SynPhonix 210 is an updated version of the SynPhonix 200 speech synthesizer for the IBM-PC and compatibles. The SynPhonix 210 is an internal circuit card. Text sent from the computer to the synthesizer is translated into phonetically correct English pronunciation and spoken in a synthesized voice. Various characteristics of the speech are adjustable, including rate, pitch, and volume. The SynPhonix can also be used to produce music, simulate singing, and produce sound effects. Voice output can be made through the built-in speaker or any external speaker. The SynPhonix 210 offers a treble control for adjusting high frequencies. The Artic Switch Interface (built in) allows switches to be plugged into the computer and is designed for programmers wishing to develop switch operated software.

Optional software includes: Enhanced Sonix Text-to-Speech ($99.95), which allows greater sophistication and user control in translating text into phonetically correct speech; PortTalk (included), which allows the user to route output to the SynPhonix as if it were connected to a printer port; and Artic Vision ($395.00), a screen reading and navigating program.

No Photograph Available

Product Name: SynPhonix 220

Vendor: Artic Technologies

Computer: Toshiba Laptop

Cost: $325.00

SynPhonix 220 is an internal speech synthesizer designed for the Toshiba 1100, 1200, or 3100 portable computers. The SynPhonix 220 plugs inside the computer, and requires no external power source or cables. Text sent from the computer to the synthesizer is translated into phonetically correct English speech and spoken in a synthesized voice. The voice can come through either a small speaker or headphones (provided). The user can control various qualities of the speech, including rate, pitch, and amplitude. The SynPhonix 220 has external volume and treble controls. The Artic Switch Interface (built in) allows switches to be plugged into the computer. This feature is designed for programmers wishing to develop switch operated software.

Optional software for the SynPhonix 220 includes: Enhanced Sonix Text-to-Speech ($99.95), which allows greater sophistication and user control in translating text into phonetically correct speech; PortTalk (included), which allows the user to route output to the SynPhonix as if it were connected to a printer port; and Artic Vision ($395.00), a screen reading and navigating program.

No Photograph Available

Product Name: Voice Synthesizer Team

Vendor: Radio Shack

Computer: All (Hardware Independent)

Cost: $19.90

Voice Synthesizer Team consists of two integrated circuits which can be used to construct a text-to-speech synthesizer. The speech synthesizer chip has a built-in program that makes it easy to interface with most computers. The text-to-speech chip is itself a pre-programmed 8-bit processor which translates standard ASCII text into control data for the speech synthesizer chip. Both chips come with complete schematics and circuit diagrams. These chips are designed for use by experienced circuit designers. Additional components are required to construct a complete, stand-alone speech synthesizer.

Chapter 17

Other Software and Hardware Adaptations

This chapter includes miscellaneous adaptations which do not fit into the other input and output adaptations chapters but which are not, by themselves, application software. Some examples of products in this chapter are: disk loaders, special desks, devices that slow computers down, systems for printing screen images, and software that will convert keyboard-operated programs into scanning programs.

Adaptations that are designed to modify the operation of the standard keyboard, such as keyguards, are listed in Chapter 10.

The following product entries appear in this chapter:

Arcademic Skill Builders In Math: Set-Ups for the AFC *4-133*
Go–WordPerfect *4-133*
Overlays for the Unicorn Expanded Keyboard *4-134*
Speech Construction Set *4-134*
Talk-to-Me Tutorial: MS-DOS *4-135*
Talking Apple IIGS Owner's Guide *4-135*
Talking Utilities for ProDOS *4-136*

The following product entries appear in the corresponding chapter in Book 3:

Apple DOS 3.3 Manual *3-129*
CompuDesk HCP *3-129*
Disk Guide *3-130*
E-Z Port Plug *3-130*
Easy-Load-A-Diskette *3-131*
Echo Enhancement Box *3-131*
Echo/Cricket Training Disk *3-132*
EZBAS *3-132*
Finger Print *3-133*
Firm Grip Joystick Holder *3-133*
Fliptrack Learning Tape Tutorials *3-134*
Florida Scanner *3-134*
Governor *3-135*
Handi-Routine *3-135*
Kennedy Switch Key Software *3-136*
Lenipen PC *3-136*
LittleJack *3-137*
Master Talker *3-137*
Modular Twin Turntable Desk *3-138*
Multi-Game Board *3-138*
Multiport *3-139*
Prairie Power Portable IIc System *3-139*
Response Optimizer *3-140*
SAYIT *3-140*
Scanning Conversion Program *3-141*
Scooter Zero Force Game Port *3-141*
Tilt Table *3-142*
Triple Dump *3-142*
Western Center Echo Synthesizer Package *3-143*
Wheeled Floor Station *3-143*

The following products from other chapters can also be used as Other Software or Hardware Adaptations:

HX-20 Protective Cover *3-6*
Moisture Guard *3-14*
Moisture Guard *3-15*
Print-it *3-94*
R/S II Series Wireless Link *3-75*
SafeSkin Keyboard Protector *3-18*
Wireless Data Transmission System *3-77*

Product Name: Arcademic Skill Builders In Math: Set-Ups for the AFC

Vendor: DLM, Inc.

Computer: Apple II family

Manual Form: Electronic Manual

Cost: $10.00

This is a disk of ready-made "setups" for the Adaptive Firmware Card (Adaptive Peripherals), specifically tailored to the Arcademic Skill Builders in Math programs from DLM. The set-up disk provides the necessary initial programming so the programs can be used with the special input methods provided with the Adaptive Firmware Card, including the Unicorn Keyboard (Unicorn Engineering), assisted keyboard (one-finger operation), and scanning with one or two switches.

The Arcademic Skill Builders in Math programs (purchased separately) are: Alien Addition, Alligator Mix, Demolition Division, Dragon Mix, Meteor Multiplication, and Minus Mission.

No Photograph Available

Product Name: Go–WordPerfect

Vendor: Talking Computers, Inc.

Computer: IBM PC family

Cost: $75.00

Go–WordPerfect is an audio tape tutorial for the WordPerfect word processing program. The tutorial is a four-hour course that starts with the basics of entering text and proceeds to more and more advanced features, finally covering such topics as running merge files, writing in columns, and creating tables of contents. The tape series concludes with an "audio reference card" containing common information that the user might need to refer to while using the program.

Go–WordPerfect is was designed by a blind computer programmer for blind or visually impaired computer users. The tutorial does not require the user to refer to a printed manual.

Product Name: Overlays for the Unicorn Expanded Keyboard

Vendor: ComputAbility Corporation

Computer: Apple IIe, IBM PC family

Cost: $69.95

Overlays for the Unicorn Expanded Keyboard are printed overlays and setup programs designed to facilitate the use of the Unicorn. The overlays provide the necessary letters, symbols or pictures in the right locations on the keyboard. The setup disks allow the keyboard to be set up for a particular software program without being individually programmed by the user. Programs for which overlays and setups are available include: Little Computer People (Apple), Charlie Brown's ABC's (Apple), Charlie Brown's 123's (Apple), Sticky Bear Numbers (IBM), Alphabet Zoo (IBM), Seeing Machine (Apple), and Early Games for Young Children (Apple and IBM).

Product Name: Speech Construction Set

Vendor: Covox, Inc.

Computer: Apple II family

Manual Form: Printed Manual

Cost: $49.95

Speech Construction Set is a program for converting characteristics of speech into graphic patterns on the computer screen, and editing them. The program uses (and requires) the Voice Master voice digitizing system (also from Covox). Characteristics that can be presented in graph form include: pitch, amplitude, and unvoiced sound. The user can edit these characteristics to alter or improve a sound that has been digitally recorded using the Voice Master system. When the utterance is played back, the alterations can be heard.

No Photograph Available

Product Name: Talk-to-Me Tutorial: MS-DOS

Vendor: Talking Computers, Inc.

Computer: IBM PC family

Cost: $69.00 - $75.00

Talk-to-Me Tutorial: MS-DOS is a cassette (audio) tape tutorial designed to help beginning and intermediate users of the MS-DOS operating system. A "guided tour" approach covers both the general operation of the program and specifics. The course was designed by a blind computer programmer for visually impaired DOS users, but is suitable for anyone interested in learning MS-DOS.

The three cassettes are priced at $69.00. For $75.00, the user can get the MS-DOS tutorial plus Artic Primer or Vert Primer, cassette courses on operating these popular voice-output computer access systems.

Product Name: Talking Apple IIGS Owner's Guide

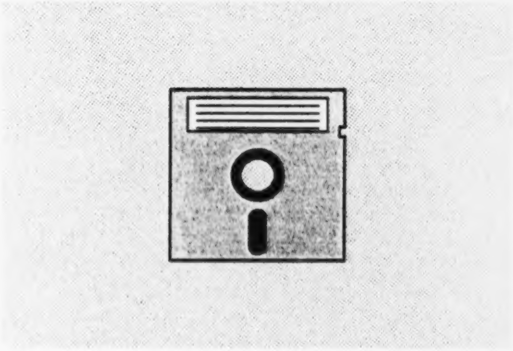
Vendor: American Printing House for the Blind (APH)

Computer: Apple IIgs

Manual Form: Electronic Manual

Cost: Contact manufacturer

Talking Apple IIGS Owner's Guide is a speech-accessible version of the IIGS Owner's Guide on disk. All of the guide can be read using a speech synthesizer. The text is in the form of an ASCII file.



Product Name: Talking Utilities for ProDOS

Vendor: American Printing House for the Blind (APH)

Computer: Apple II family

Manual Form:

Cost: $22.78

Talking Utilities for ProDOS is a speech-accessible version of the Apple "ProDOS User's Disk," a guide to the ProDOS operating system. The text on this utilities disk can be read entirely via speech synthesizer. The disk contains adapted versions of two programs, "File" and "Convert." The disk also contains other programs for users who are getting started with ProDOS. A utility is provided that allows the user to read ASCII text files with synthesized speech.

Chapter 18

Administration and Management Software

This chapter includes software application programs that deal with the administration or management functions of rehabilitation or special education professionals. To be included programs must be specifically designed for rehabilitation or special education professionals. These include IEP programs, computerized versions of diagnostic tests designed for the developmentally disabled, and reporting, charting, tracking, organizing and job-matching software. If a program is primarily designed as an assessment tool, it is listed in Chapter 19, Assessment Software. Since the question of whether a program is primarily for administration or primarily for assessment can be somewhat fuzzy, it may pay to check both chapters (this one and 19) for particular programs.

Index 1 cross-lists products by function. Some of the function codes related to software in this chapter are: Analysis and Reporting (AR), Individual Education Planning (IE), Vocational (VO), Language Therapy (LT) and Speech Therapy (ST). Appendix A includes an information summary of other Software Resources.

Chapter 18: Administration and Management Software

The following product entries appear in this chapter:

Access-Ability Database *4-139*
Analytic Learning Disability Assessment (ALDA-EZ) *4-139*
Arlin Test of Formal Reasoning Computer Report *4-140*
Basic Skills Reporting System *4-140*
Bender Report *4-141*
Chapter 1 Tracking & Reporting *4-141*
Communication Board Construction *4-142*
Computer Analysis of Phonological Processes (CAPP) *4-142*
Computerized Inventory of Basic Skills (CIBS) *4-143*
Customized Student Objectives *4-143*
Detroit Tests of Learning Aptitude (DTLA-2 & DTLA-P) *4-144*
EdPLAN and EdPLAN+ *4-144*
G-S-T C.A.M. *4-145*
Goals and Objectives *4-145*
IEP System *4-146*
Isabel *4-146*
Learning Skills Profile *4-147*
Minimum Competency Program Writer *4-147*
Modularized Student Management System (MSMS-SC) *4-148*
Multipurpose Authoring Language *4-148*
Pro-Score Systems *4-149*
Progress Monitoring Program *4-149*
Report Generator *4-150*
Report Writer: Adult's... Tests *4-150*
Report Writer: Children's... Tests 1.1 *4-151*
Severe Discrepancy Analysis *4-151*
Slosson Intelligence Test - Computer Report (SIT-CR) *4-152*
Special Education Enrollment Register (SEER) *4-152*
Special Education Reporting System *4-153*
TALLEY Goals and Objectives Writer *4-153*
Target Management System *4-154*
Wechsler Memory Scale Interpretation Aid *4-154*
Wechsler Preschool and Primary Scale on Intelligence *4-155*
Workshop Information Manager *4-155*

The following product entries appear in the corresponding chapter in Book 3:

Ability-Achievement Discrepancy *3-147*
AIMstar *3-147*
Articulation Error Analysis *3-148*
Articulation Error Analysis (AEA) *3-148*
Articulator: Goals and Objectives for Speech *3-149*
ASIEP Computer Scoring and Interpretation *3-149*
Automated IEP System and Professional Goal Banks *3-150*
Automated IEP System and SCOR Goal Banks *3-150*
Child Placement Report Writer *3-151*
Clinical Data Manager *3-151*
Compuscore: For the Scales of Independent Behavior *3-152*
DPS:Decision Pathing System *3-152*
DPS:HELP *3-153*
ESS Rehabware *3-153*
Explorer *3-154*
Frenchay Dysarthria Assessment *3-154*
Hypernasality *3-155*
IEP Manager, Revised *3-155*
IEP Writer *3-156*
Individual Performance Graph Pak *3-156*
Individualized Planning System *3-157*
J-Wear Objective Mastery Report *3-157*
Language Intervention Planner *3-158*
Parrot Easy Language Sample Analysis (PELSA) *3-158*
PEPPER *3-159*
PIAT Error Analysis Report (PEAR) *3-159*
Picapad *3-160*
Planning Individualized Speech & Language Intervention *3-160*
PRE-MOD II *3-161*
SALT (Systematic Analysis of Language Transcripts) *3-161*
Sound Search II *3-162*
Stanford-Binet Computer Report (SB-CR) *3-162*
UNISTAR Pre-IEP Report *3-163*
VOC Matching and VOC Report *3-163*
WAIS-Riter 'BASIC' *3-164*
Wechsler Adult Intelligence Scale-Revised (WAIS-R) *3-164*
WISC-R Compilation: What To Do Now... *3-165*
WISC-R Computer Report (WISC-RCR) *3-165*
WISC-Riter 'BASIC' *3-166*
WISC-Riter Complete *3-166*
Woodcock Reading Mastery Tests Error Analysis Report *3-167*
Word Class Inventory for School Age Children *3-167*

The following products from other chapters can also be used for Administration or Management:

JOBS System *3-178*

Product Name: Access-Ability Database

Vendor: Fred Sammons, Inc.

Computer: Apple IIc, Apple IIe, IBM PC family

Manual Form: Printed Manual

Cost: $795.00

Access-Ability is a database designed to provide information on rehabilitation-related products, based upon information about a client's disability and functional limitations. The program first presents a list of 45 disabling conditions (Cystic Fibrosis, Deafness, Hemophilia, etc.). For any disabling condition selected, the program will then present a list of functional limitations commonly associated with that condition. The user selects choices on this list. The program then presents a list of types of products that may help a person with the designated condition and limitations. For each type of product, the user can view a list of specific products, each with a description and a manufacturer's address. Lastly, the program can make a recommendation for a type of special assessment that the person may need.

The product listings include over 500 products, and updates are available every six months ($195.00). A database management program is provided for storing and retrieving client information.

Product Name: Analytic Learning Disability Assessment (ALDA-EZ)

Vendor: Slosson Educational Publications, Inc.

Computer: Apple II family

Manual Form: Printed Manual

Cost: $195.00

Analytic Learning Disability Assessment (ALDA-EZ) is a program that interprets results and prints reports for the ALDA test. The user enters ALDA results, and the program generates various scores such as CAG-T, NEO-T, Fail T, unit skill ages, skills cluster, and so on. Indications of neurological efficiency, learning impairment, and learning channel functioning are all recorded by the program. The program makes individual recommendations about methods for learning reading, spelling, math and handwriting skills. The user has the choice of generating a seven page summary report (no recommendations included) or a twenty-four page complete report.

ALDA-EZ runs on the Apple II family of computers, using the Pro-DOS operating system.

Product Name: Arlin Test of Formal Reasoning Computer Report

Vendor: Slosson Educational Publications, Inc.

Computer: Apple II family, IBM PC family, TRS-80 Model III, TRS-80 Model IV

Manual Form: Printed Manual

Cost: $150.00

Arlin Test of Formal Reasoning Computer Report (ATFR-CR) is a program for scoring and interpreting the ATFR. The user may input data on up to 10 clients at a time (20 on the IBM-PC), and generate individual printouts for each. Reports include: Total Scores, Category Scheme scores, and National Grade Norms (including Standard Deviation, Hoyt Reliability, and Standard Error of Measurement). Individual reports categorize the subject's level of functioning, from concrete to formal. Areas of strength in reasoning skills are outlined, and a paragraph describing each of these schemata is included. Lastly, the report allows for a narrative of teacher recommendations. A "Stat-Pak" provides for a number of group statistical analyses, including mean and standard deviation group scores. These scores can be provided for an entire class, because each group of scores entered is added to those already entered. The user can enter either raw scores from a score sheet, or the eight schemata scores from a previously scored score sheet.

Product Name: Basic Skills Reporting System

Vendor: IEP

Computer: Apple IIc, Apple IIe

Manual Form: Printed Manual

Cost: See text

Basic Skills Reporting System is a database program designed to track necessary information on Chapter I, ESL, or other compensatory education students. Student identification and academic information can be stored, as well test scores (up to 14 scores per student for each of three years). The program can search and sort student records according to various criteria, including test scores. The program will calculate test means and mean gains for one to three years of compatible test scores.

Basic Skills Reporting System is sold on a multi-site license basis. Cost is $2.50 per student, with a minimum charge of $895.00. On-site training and consulting are available at extra cost.

Product Name: Bender Report

Vendor: Slosson Educational Publications, Inc.

Computer: Apple II family, IBM PC family

Manual Form: Printed Manual

Cost: $149.00

Bender Report is a program designed to help score and interpret the Bender Gestalt Test. The program provides for scoring and interpretation of both child and adult protocols. The logic suggested by Koppitz is used for children and the logic suggested by Hutt is used for adults. The program provides factor definitions and scoring criteria for each factor. All calculations and scoring are done by the program. The program generates a one to two page narrative report. For adults, the report contains interpretive statements based on the 26 specific factors and the Psychopathology Scale developed by Hutt. The child report addresses developmental level and emotional factors as conceptualized by Koppitz.

Product Name: Chapter 1 Tracking & Reporting

Vendor: Screening and Tracking Corporation of America

Computer: Apple IIe, Apple IIgs, IBM PC family

Manual Form: Printed Manual

Cost: $149.00

Chapter 1 Tracking and Reporting is a program designed to help track individual and group information on students. Information that can be recorded and printed in a student's record includes: student's personal information, school name, regular teacher, remediation received prior to placement described in report, testing history including scores, remedial subject(s) needed, and remedial teacher. Students can be ranked by the order of various test scores, in various group sizes including by grade, by teacher, by district, etc. Reports can be printed in a variety of formats. Data can be analyzed numerically as well.

Chapter 1 Tracking and Reporting is also available in demo form for a 30-day review. Contact the manufacturer for details.

Product Name: Communication Board Construction

Vendor: Communication Enhancement Clinic

Computer: Apple II family

Manual Form: Printed Manual

Cost: Contact manufacturer

Communication Board Construction is a program for creating communication boards. The user can design and print grids of communication symbols and words.

Contact the manufacturer for more information about specific capabilities and printer requirements.

Product Name: Computer Analysis of Phonological Processes (CAPP)

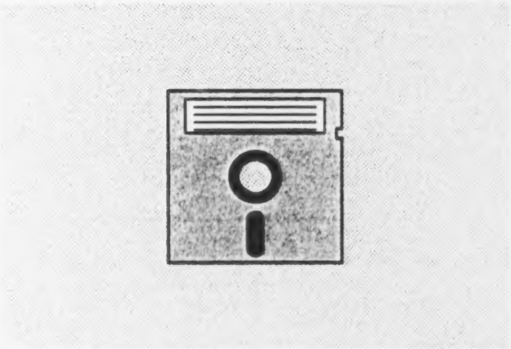
Vendor: Interstate Printers and Publishers

Computer: Apple IIc, Apple IIe

Manual Form:

Cost: $85.00

Computer Anaysis of Phonological Processes is a software version of the Assessment of Phonological Processes (APP) test by Barbara W. Hodson. The test is designed to pinpoint, categorize and logically explain speech deviations. The therapist enters symbols representing the client's production of 50 target words (takes about 10 minutes). The program "scores" the test in about 60 seconds. A one-page printout is produced which lists: (1) percentage-of-occurrence scores for basic phonological processes; (2) Client's severity rating (mild, moderate, severe, profound); and (3) A goal statement specifying phonological patterns to be targeted.



Product Name: Computerized Inventory of Basic Skills (CIBS)

Vendor: Academic Counseling & Evaluation

Computer: Apple II family

Manual Form: Printed Manual

Cost: $89.95

Computerized Inventory of Basic Skills (CIBS) is a program that administers, scores, and analyzes tests of basic skills, and assists the instructor in creating an IEP for the student on the basis of the results. The instructor selects the subject, and the student takes the test on the computer. The program anyalzes responses as they come in, and tailors the test to the individual student. After testing, the instructor can print a diagnostic report or save it on the disk (up to 100 students' files per disk). The report indicates the skills the student has demonstrated, and the grade level at which these skills should be mastered. CIBS will also prepare a bar graph. CIBS helps create IEPs by analyzing the student's identified needs in terms of its developmental continuum of skills. The program then provides sequentially linked objectives which the instructor can select from to develop the IEP. The instructor can also enter other objectives on the keyboard. CIBS then formats and prints the IEP.

CIBS was field tested in the Cupertino Union School District in Cupertino, California.

Product Name: Customized Student Objectives

Vendor: Screening and Tracking Corporation of America

Computer: Apple II family, IBM PC family

Manual Form: Printed Manual

Cost: $192.00

Customized Student Objectives is a software package designed to create IEP reports for individual students, and to track the students' progress. The program can produce 1) progress reports at grade time, letting parents and others know how the student is progressing toward IEP objectives; 2) statement of how the instructor is planning and evaluating instruction, providing over 300 approaches and allowing customized ones; 3) individual objectives or set of objectives; and 4) clear statement of what is expected from the student, including the type and degree of excellence expected for each objective. Over 6,000 behavior/performance objectives for all areas and ages. Printed reports can be created.

The price listed is for a single building. Customized Student Objectives is also available with a district-wide license. Hard copies of Customized Student Objectives is available for non-computer users. Contact the manufacturer for details.

Product Name: Detroit Tests of Learning Aptitude (DTLA-2 & DTLA-P)

Vendor: Slosson Educational Publications, Inc.

Computer: Apple II family

Manual Form: Printed Manual

Cost: $59.00

Detroit Tests of Learning Aptitude (DTLA-2 and DTLA-P) are programs for statistically analyzing scores from the DTLA-2 and DTLA-P (Primary) tests. The programs convert the student's raw scores into standard scores and percentile ranks. The programs also generate composite scores and compare composite performance within domains for significant differences. The user can also analyze discrepancies between DTLA scores and achievement test scores. The DTLA-P program offers the option of either entering totalled scores or entering performance scores for each DTLA item, and having the program generate the totals. Both programs generate a two-page report for each student.

Product Name: EdPLAN and EdPLAN+

Vendor: MASBO Cooperative Corporation

Computer: Apple IIc, Apple IIe, IBM PC family

Manual Form: Printed Manual

Cost: $145.00 - $640.00

EdPLAN is a software program designed specifically for the production of Individual Education Plans (IEPs), and EdPLAN+ is a bank of goals, objectives, and methodologies meant to be used in conjunction with the EdPLAN program. EdPLAN provides for entering personal student information, plus information on: student profile, educational goals, methods, evaluation techniques, service delivery, current performance levels, objectives, and materials. EdPLAN allows the user to enter unique student information, but reduces the amount of repeated information that needs to be entered. With EdPLAN, statements are organized and stored in a Goals and Objectives Bank by subject area. The user selects the appropriate statements for a particular IEP by filling out a Data Entry Form. This data is entered into the computer, which generates an IEP using the information and format specified by the user. EdPLAN+ is a set of pre-created goals, objectives and methodologies that can be used in EdPLAN IEPs, either in the form provided, or modified by the user.

EdPLAN costs $145.00 ($125.00 for six or more copies); EdPLAN+ is an additional $495.00.

Product Name: G-S-T C.A.M.

Vendor: G-S-T Multidistrict Educational Services

Computer: Apple II family

Manual Form: Printed Manual

Cost: See text

G-S-T C.A.M. (Computer Assisted Management) is software designed to assist in preparing IEPs (Individual Education Plans) for special education students. The instructor can create a report containing: student I.D. information; tracking information including dates of major events in the PL 94-142 process; present level of educational performance delineating strengths and problem areas; long term and annual goals for the student; and figures on the amount of time spent in regular and special education setting, with comment space. The instructor can enter objectives by typing them in directly or by using an "objective writer" feature provided with G-S-T C.A.M. Up to 320 objectives in 20 categories can be stored on one side of a disk. Additional objective banks can be stored and drawn upon as needed. Reports can be printed, including additional pages of information on particular students if needed. The price for the G-S-T C.A.M. service is $100.00 per 1000 children.

Product Name: Goals and Objectives

Vendor: Stewart, J.E.

Computer: Apple II family, IBM PC family

Manual Form: Printed Manual

Cost: $695.00 - $875.00

Goals and Objectives is a program that provides files of goals and objectives for use in preparing student histories, progress reports, and Individualized Education Plans (IEPs). The program allows the user to enter student scores from any developmental assessment, and to access goals and objectives from two curriculum disks: CAMEO (Computer-Assisted Management of Educational Objectives, 163 goals and 6,672 objectives) and WSCC (Washington State Cooperative Curriculum, 285 goals and 20,717 objectives). The user can integrate these goals and objectives into the student's reports, and may create and add individual objectives not available in the curricula. The user may search for desired goals and objectives by keywords, by number, or by scanning through the curriculum files. Each student's plan can be reviewed using the program's expert system, which evaluates selections of goals in terms of the student's assessments, curriculum standards, and relationships between goals. The system asks the user questions, the user responds yes or no, and the user can review the reasoning behind the system's responses. Reports can be printed in a variety of formats.

Product Name: IEP System

Vendor: IEP

Computer: Apple IIc, Apple IIe, IBM PC family

Manual Form: Printed Manual

Cost: See text

IEP System is a program for planning, revising, and printing Individual Education Plans (IEPs) in English or any other language that can be written in English characters. The "IEP Planner" feature allows the beginning user to select codes representing prepared wording, in order to assemble an IEP from component goals, objectives, paragraphs, etc. stored in the system. Later the user can modify or delete the wording, or add entirely new material. Text files included are: Goals and Objectives, Achievement, Methods, Criteria, Materials, Placement, Speech Therapy, and Pre-School. The user may also create new categories. The program will insert special comments unique to a particular student. Reports can be printed, and the user has control over such format features as margins, tabs, spacing, centering, and page-breaks. Reports can be printed in two formats: a full-width page narrative, or columns with X's indicating ratings for each objective. Annual revisions can be completed in 6 to 8 minutes.

IEP Management System is sold on a multi-site license basis, at a cost of $3.00 per student and a minimum order of $995.00. Cost includes documentation and planning and training materials.

Product Name: Isabel

Vendor: Magellan Corporation

Computer: IBM PC family

Manual Form: Printed Manual

Cost: $3,800.00

Isabel is a menu-driven database that can be used to compare a person's physical capacities with the requirements of the occupations of interest, and to locate assistive devices that would help that person better meet those requirements. The comparison function provides 95 physical and environmental factors for analysis. Once the comparison has been made, the results are used to pinpoint keywords that can be used to search the assistive devices database for an appropriate aid.

The data contained in Isabel was obtained through grants from the National Occupational Information Coordinating Committee, the Florida Occupational Information Coordinating Committee, and the Florida Office of Vocational Rehabilitation to the Florida Association of Rehabilitation Facilities. The microcomputer version was developed through private funds by the Magellan Corporation, Inc.

Product Name: Learning Skills Profile
Vendor: Academic Therapy Publications
Computer: Apple II family
Manual Form: Printed Manual
Cost: $75.00

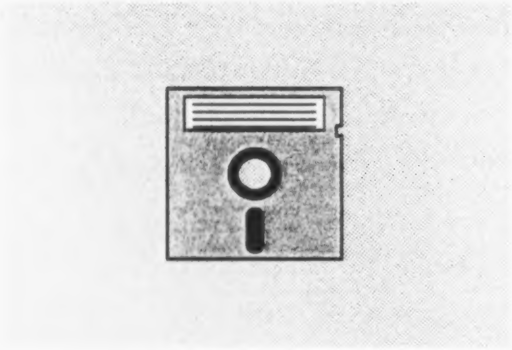
Learning Skills Profile is a program for analyzing results from the WISC-R test. Learning Skills profile ties test performance to essential learning skills and provides recommendations for strengthening a student's deficits. The user enters WISC-R results, plus selected achievement test results, and the program analyzes the scores and prints a profile showing strengths and weaknesses in 14 areas related to visual, auditory, verbal, kinesthetic, and abstract processing. Recommendations are provided for supplementary testing, ability-achievement discrepancy information is given, and remedial activities are suggested for each deficit area.

Printing results requires an 80-column printer.

Product Name: Minimum Competency Program Writer
Vendor: IEP
Computer: Apple IIc, Apple IIe, IBM PC family
Manual Form: Printed Manual
Cost: See text

Minimum Competency Program Writer is program that helps generate "individual student instruction plans" (ISIP's) for compensatory education students. The user can store information on students' specific learning deficiencies as well as their standardized or criterion-referenced test scores. The program can be expanded to include mastery criteria, evaluative instruments, instructional materials, time-lines, responsible staff, etc. The data can be stored as individual text files, then stored by student and formatted to generate individual reports. Reports can be printed in either narrative or "columns with X's" format.

Minimum Competency Program Writer is sold on a multi-site license basis: $3.00 per student, with a minimum order of $995.00.



Product Name: Modularized Student Management System (MSMS-SC)

Vendor: Education TURNKEY Systems, Inc.

Computer: Apple IIc, Apple IIe

Manual Form: Printed Manual

Cost: $295.00 - $795.00

Modularized Student Management System (MSMS-SC) is a program designed to track data on special education students and generate Individual Education Plans (IEPs). The user can develop a variety of files for each student, including Demographics, Student Schedules, Dates for Administrative Actions, Student Testing Summaries, Goals and Objectives Assigned, IEP Conference Attendees, and Anecodotal Comments. The user can design and print IEPs (1 to 10 pages), Instructional Guides (1 to 10 pages), Form Letters, Data Tables, and Sorted Lists. The program allows the user to create a custom Goals and Objectives Bank, including 300 goals linked to 7,200 objectives, each with instructional strategies and evaluation methods. Any number of banks can be created. The program helps the user produce a variety of federally-mandated reports.

The complete MSMS-SC package is priced at $795.00. The IEP portion only can be purchased for $295.00, and the user can later upgrade to the complete system for an additional $500.00.

Product Name: Multipurpose Authoring Language

Vendor: Personally Developed Software

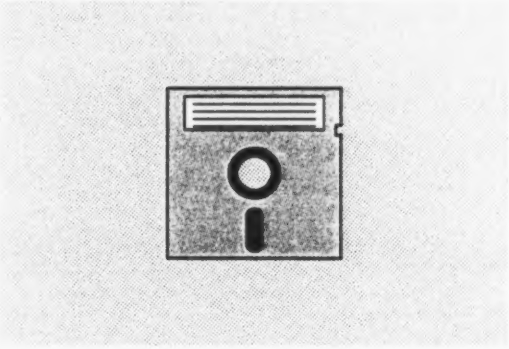
Computer: IBM PC family, IBM PC jr

Manual Form:

Cost: $99.95

Multipurpose Authoring Language (MPAL) is a simplified programming language designed to help instructors at all levels create educational courseware, and to help students develop basic programming skills. The user writes a program by creating a series of scripts, which can be displayed simultaneously as "windows" on the screen, and printed for later reference. These scripts determine how the user's program runs, and can contain commands to produce color graphics, animated graphics, and synthesized speech (optional). The programs created with MPAL can also drive a video disk system, including starting, stopping, freeze-frame, and overlaying comments and questions on the video image. The package includes a tutorial showing construction of a simple program.

MPAL requires 340K of memory on the IBM-PC; 348K on the PCjr. Speech synthesizer, computer-controlled cassette player, and video disk system must be purchased separately. Contact the manufacturer about which models have been found compatible. A Reference Book for the MPAL costs $10.00, refundable upon purchase of the MPAL program.



Product Name: Pro-Score Systems

Vendor: Pro-Ed

Computer: Apple II family, IBM PC family

Manual Form: Printed Manual

Cost: $59.00 each

Pro-Score Systems are computerized scoring systems for various standard tests. Programs are available for scoring the TOLD-P, the TOLD-I, the DAB, the DATA, and the ABI. Each program is menu-driven, and the programs use similar commands and report formats. Each program generates a four-page report containing the following information: background information; raw scores, standard scores, percentiles, and descriptors for each test; standard score sums, percentiles, and descriptors for all composites and quotients; cognitive score (optional); profiles for subtests and composites; intra-individual comparisons of all possible composites; and significance testing of all comparisons.

Pro-Score Systems allow the user to save test information on a separate disk and, on the IBM versions, to store the results in ASCII files for use by word processing systems that can read ASCII files.

Product Name: Progress Monitoring Program

Vendor: Performance Monitoring Systems

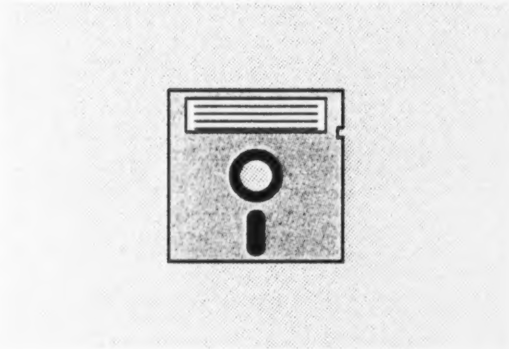
Computer: Apple II family

Manual Form: Printed Manual

Cost: $69.00

Progress Monitoring Program (PMP) is a program for tracking student goals and performance in the context of an IEP. The instructor can store information on each student's goals, projected performance, and actual performance in any desired skill area. This information can then be compiled in table or graph form for review on screen or in print. Data that can be reported include: the student's goal, the goal aimline, one or two sets of data (correct-incorrect, target-peers, etc.), the slope of improvement of current data, the average growth of the data, and the cumulative growth of the data (objectives mastered, total points earned, etc.). The instructor can graph these dimensions of on a single graph for comparison of actual to desired progress. Data can be selected for inclusion in a report by a number of factors, such as number of results or date of results. The PMP can also generate reports which document and describe changes made in a student's program. A maximum of 100 student records can be stored on one floppy disk, but any number of disks can be created.

Two disk drives are required, plus a printer if desired.



Product Name: Report Generator

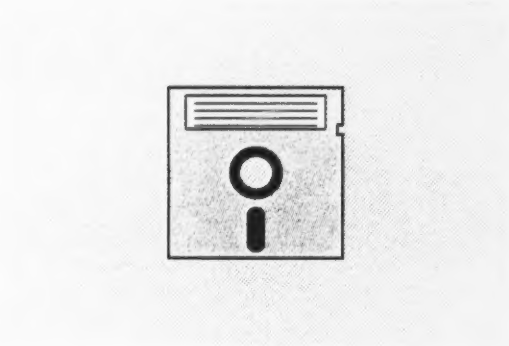
Vendor: ScripTek Software

Computer: Apple II family, IBM PC family

Manual Form: Printed Manual

Cost: $300.00

Report Generator is a program that can assist in creating IEP or quarterly student progress reports. Report Generator is designed to be used by people without any previous computer experience. Introductory report formats are included with purchase of the software.



Product Name: Report Writer: Adult's... Tests

Vendor: Slosson Educational Publications, Inc.

Computer: Apple II family, IBM PC family

Manual Form: Printed Manual

Cost: $395.00

Report Writer: Adult's Intellectual, Achievement, and Neuropsychological Screening Tests is a program that provides interpretive reports based on a variety of standard tests. The tests covered include: WAIS-R, Stanford-Binet Intelligence Scale, WRAT, WRAT-R, Stroop Color and Word Test, Trail Making Test, Benton Visual Retention Test, Purdue Pegboard Test, Aphasia Screening Signs, and the Symbol Digit Modalities Test. The user enters test score information plus some demographic data and, if desired, behavioral observations during testing. Report Writer then generates a report: compiling facts, making general statements and statistical comparisons, and suggesting possible hypotheses and explanations for patterns of test scores.

Reports may be printed as they are produced, or they may be edited with the user's own word processing program.

Product Name: Report Writer: Children's... Tests 1.1

Vendor: Slosson Educational Publications, Inc.

Computer: Apple II family, IBM PC family

Manual Form: Printed Manual

Cost: $395.00

Report Writer: Children's Intellectual and Achievement Tests 1.1 is a program for interpreting six tests: the K-ABC, the WISC-R, the WPPSI, the Stanford-Binet Intelligence Scale (Form L-M), the PIAT, and the WRAT. The user enters test score information plus some demographic data and, if desired, behavioral observations during testing. Report Writer then generates a report: compiling facts, making general statements and statistical comparisons, and suggesting possible hypotheses and explanations for patterns of test scores. The report produced by Report Writer contains behavioral observations, formatted test scores, several types of score combinations, statements regarding statistical significance, possible explanations and implications of the test results based upon the research literature and clinical consensus, and educational recommendations.

Reports may be printed as they are produced, or they may be edited with the user's own word processing program.

Product Name: Severe Discrepancy Analysis

Vendor: Academic Therapy Publications

Computer: Apple II family

Manual Form: Printed Manual

Cost: $45.00

Severe Discrepancy Analysis is a program designed to enhance and objectify learning disabilities diagnosis. The program analyzes severe discrepancies among results from any set of standardized tests currently available. The method of analysis is based on the U.S. Department of Education's detailed report on critical measurement issues in learning disabilities. The program can be modified to incorporate specific state guidelines.

Product Name: Slosson Intelligence Test - Computer Report (SIT-CR)

Vendor: Slosson Educational Publications, Inc.

Computer: Apple II family, IBM PC family, TRS-80 Model III, TRS-80 Model IV

Manual Form: Printed Manual

Cost: $195.00

Slosson Intelligence Test - Computer Report (SIT-CR) is a program for analyzing the results of the SIT. The program examines the IQ and reports the ability level based on it. The program examines the age and IQ level, selects the proper value for the 95% confidence interval, and reports the next expected grade level. Achievement standard scores in each area are analyzed, and appropriate statements comparing achievement and ability are generated. SIT-CR also determines the severe discrepancy level, examines the degree of scatter, displays SIT items by categories, and, if IQ and actual achievement scores are below a certain level, prints a statement suggesting further diagnostic evaluation in the area concerned. The report lists materials which may be used in remedial instruction, by areas of weakness and grade level.

The SIT-CR includes manual, program disk, backup disk, and 20 input data sheets.

Product Name: Special Education Enrollment Register (SEER)

Vendor: MASBO Cooperative Corporation

Computer: Apple II+, Apple IIe

Manual Form: Printed Manual

Cost: $495.00 - $945.00

Special Education Enrollment Register (SEER) is a program for keeping track of special education students according to a number of variables. The user records certain information for each student, and can then generate different types of reports. State and Federal reports that can be generated include: Students by Race, Language, Sex, Grade, etc.; Disadvantaged Students; 89-313 Students; Students by Transportation Plan; Students by Team Meeting; and more. Special education management reports that can be generated include: Students by School Room and ID; Students by Next Report Date and Chairperson; Students with Third Party Payments; End of Year Housekeeping Report; and more.

SEER is available in three models. SEER 400 ($495.00) supports 400 students and requires one disk drive on the Apple II+ or IIe computer. SEER 800 ($745.00) supports 800 students and requires one disk drive. SEER 1600 supports 1600 students and requires two disk drives. All models include training at MASBO and 90-day telephone support.

Product Name: Special Education Reporting System

Vendor: IEP

Computer: Apple IIc, Apple IIe

Manual Form: Printed Manual

Cost: See text

Special Education Reporting System is a program for recording and tracking pertinent information on students in a special education program. The user can store such information as ID number, name, sex, date of birth, address, classification, school, grade, and ethnic group. Complete student lists can be printed, or records can be selected by individual or multiple characteristics. The user can record important activities or critical events, and generate a chronological record for each student. Up to 500 students' records can be stored on each disk. District-wide reports can be generated for any size population. Custom-formatted printed reports can be generated.

Special Education Reporting System is sold on a multi-site license basis, at a cost of $2.00 per student, with a minimum order of $595.00.

Product Name: TALLEY Goals and Objectives Writer

Vendor: Curriculum Associates, Inc.

Computer: Apple II family, IBM PC family, TRS-80 Model III, TRS-80 Model IV

Manual Form: Printed Manual

Cost: $149.95

TALLEY Goals and Objectives Writer is a menu-driven program that allows the user to create, store, and print IEP goals and objectives. The program prints these goals and objectives in a pre-set format. The TALLEY package also provides paper Master Student Data Sheets so that the user can record information and then send it to another person for data entry. Up to 8 goals and 48 objectives per student can be printed in one pass.

Supplementary disks are available which provide pre-made banks of goals and objectives. Objectives for the various Brigance Inventories are available, as is the Enright Diagnostic Inventory of Basic Arithmetic Skills. These programs cost $48.95 to $69.95 apiece, and can be further customized by the user if desired.

Product Name: Target Management System

Vendor: Teaching Pathways

Computer: Apple II family, TRS-80 Model III, TRS-80 Model IV

Manual Form: Printed Manual

Cost: $1,995.00

Target Management System is a computerized student tracking system designed to monitor students' progress and produce Individual Education Plans (IEPs). The system allows the instructor to enter individual performance objectives for 32 subjects, providing scope and sequence of specific objectives for ages 3 to 22 years. The program provides over 3,000 objectives, plus methods for evaluating abilities and learning styles. Information can be correlated with Brigance Tests, Pace Learning Systems, Skill Bank, and most of the Essential Elements. The program can be used to set personalized goals (short and long term); measure progress in academic and behavioral areas; track students in the mastery of learning objectives and basic learning skills; and produce IEPs in custom formats. Target Management System includes the computerized Classroom Screening Instrument (CSI), which records the teacher's observations and converts them into a graphic profile of each student.

The computerized Target program is based upon the Target System, which has been developed as a research project over a 20-year period.

Product Name: Wechsler Memory Scale Interpretation Aid

Vendor: Psychological Software Services, Inc.

Computer: Apple II+, Apple IIe, Atari, IBM PC family, IBM PC jr

Manual Form:

Cost: $30.00 - $35.00

Wechsler Memory Scale Interpretation Aid is a program that provides results from the Wechsler Memory Scale test (standard or Boston Revision). The user feeds in the raw scores, and the program calculates the memory quotient, t-scores, standard score, and z-scores for each subtest. Percentage recalled on the 20 minute delayed trails can be calculated as well if used. Results can be printed out.

Product Name: Wechsler Preschool and Primary Scale on Intelligence

Vendor: Slosson Educational Publications, Inc.

Computer: Apple II family, IBM PC family

Manual Form: Printed Manual

Cost: $250.00

Wechsler Preschool and Primary Scale on Intelligence (WPPSI Report) is a program for interpretation of the WPPSI. The program provides for the entry of relevant demographic data, scaled scores, and behavioral observations (optional). The printed report summarizes the demographic information and the subtest scaled scores. The classification range for each score is presented as well as the average Verbal and Performance subtest scores. The Full Scale IQ score, Verbal IQ score, and the Performance IQ score are listed. Scale score differences are also provided with associated significance levels. The narrative section of the report consists of: (1) a summary of the demographic information, the WPPSI subtest scale scores, and the IQ scores; (2) a description of the child and his or her test behaviors; (3) the meaning of the IQ scores (a successive level approach); and (4) the general implications of the findings, based upon IQ and subtest scores.

Product Name: Workshop Information Manager

Vendor: Vertex Systems Corporation

Computer: All (Hardware Independent)

Manual Form: Printed Manual

Cost: Contact manufacturer

Workshop Information Manager is a management information system designed specifically for workshop-rehabilitation facilities. The system consists of several software modules for different aspects of management. Modules are available individually, and can be added as needed. Module 1, "Client Payroll Administration & Statistical Analysis," covers payroll and production tracking. Module 2, "Office Automation," covers word processing, data bases, report writing, etc. for the workshop office. Module 3, "General Accounting System," covers accounts payable and receivable, order entry and invoicing, inventory management, and staff payroll and benefit tracking. Module 3, the General Accounting System, is coordinated with all the other modules, so data can be shared and need not be entered more than once. A few pre-set report formats are provided, and the "Report Writer" feature allows the user to set custom formats.

Workshop Information Manager is available for a number of different computer systems, including single and multi-user systems. Training and support are also available. Contact the manufacturer for details and prices.

Chapter 19

Assessment Software

This chapter includes application programs whose primary function is an evaluative one. If the program's primary function is to provide therapy, but it involves data tracking or assessment compontents, it will be found in Chapter 20, (Education, Training, and Therapy Software), and cross-listed in Index 1 under the function Assessment (AS). If the program is primarily meant to assess or evaluate, but it can be used in therapy, it will be listed in this chapter and cross referenced under Education, Training, and Therapy (ET).

Related functions listed in Index 1 include Analysis and Reporting (AR), Education/Training/Therapy (ET), Activities of Daily Living (AD), Vocational (VO), etc. Appendix A includes listings of Service Centers and Computer Assessment and Training Programs for Disabled Individuals. Many of these organizations provide assessment services.

Chapter 19: Assessment Software

The following product entries appear in this chapter:

Computer Graphics for the Photo Articulation Test *4-159*
Evaluate *4-159*

The following product entries appear in the corresponding chapter in Book 3:

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Assessment of Intelligibility of Dysarthric Speech *3-171*
Audible Career Explorer *3-172*
ButtonCount Switch Assessment *3-172*
CARA (Computer Assisted Reading Assessment) *3-173*
Catch the Cow *3-173*
Comprehensive Phonemic Inventory for Children, 2.0 *3-174*
Computer Managed Articulation Diagnosis *3-174*
Computer Managed Screening Test *3-175*
DPS:BCP *3-175*
Evaluation System *3-176*
Functional Skills Screening Inventory *3-176*
Game Power for Phonics, Plus *3-177*
Job Search and Local Job Bank *3-177*
JOBS System *3-178*
MESA *3-178*
Micro-LADS *3-179*
Microcomputer Evaluation of Career Areas (MECA) *3-179*
Picture Scanner - Software for Assessment *3-180*
Process Analysis Version 2.0 *3-180*
SAGE System *3-181*
Single Switch Assessment Program *3-181*
Single-Input Assessment Software *3-182*
Software Simulations of Communication Prostheses *3-182*
Touch Com *3-183*
Visagraph Eye-Movement Recording System *3-183*
Visual/Perceptual Diagnostic Testing & Training Progs. *3-184*

The following products from other chapters can also be used for Assessment (Evaluation):

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AbleNet Control Unit *1-15*
Active Stimulation Programmer *1-16*
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Adventures of Jimmy Jumper - Prepositions *3-282*
And Or Box *4-15*
Apple Demo Disk *3-190*
Appliance Genie *3-307*
Audio Control Unit Model 112 *4-16*
Battery Adapter *1-17*
Battery Device Adapter *1-17*
Battery Device Timer *4-16*
Battery Interface *1-18*
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Call Bell *2-76*
Call Signal 2 *2-76*
Captain's Log: Cognitive Training System *3-196*
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Dual Channel Latching Switch Interface *1-22*
Dual Switch Latch and Timer *1-22*
E-Tran Scanner *1-23*
Environmental Control Unit *4-18*
Fact Master *3-215*
Fingerspeller *3-217*
Frenchay Dysarthria Assessment *3-154*
Handi-Keys *3-5*
Idioms in America *3-227*
Invertor Module *4-19*
Isabel *4-146*
Job Readiness Series *3-228*
Keyboarding for the Physically Handicapped *3-231*
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Keypad Trainer *4-20*
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Product Name: Computer Graphics for the Photo Articulation Test

Vendor: Interstate Printers and Publishers

Computer: Apple IIc, Apple IIe

Manual Form:

Cost: $69.95

Computer Graphics for the Photo Articulation Test is a program that generates color graphics on the computer screen corresponding to pictures used on the Photo Articulation Test (PAT). The program is designed to provide microcomputer stimuli to assess young children and children who are difficult to test. The program is meant to be an extension of the second edition of the basic PAT test, and not a computer version which does the scoring.

Computer Graphics for the Photo Articulation Test will run on the Apple IIc, or on any Apple IIe which was manufactured after mid-1985 or which has been enhanced.

Product Name: Evaluate

Vendor: Kinetic Designs, Inc.

Computer: IBM PC family

Manual Form: Electronic Manual

Cost: See text

Evaluate is a program designed for storing and analyzing information about a person's ability to manipulate a keyboard. Raw data may be saved to individual files, appende to existing files for cumulative analysis, viewed on the screen, or printed. Data is obtained by running a number of recorded test sequences (number is user-specifiable). The program will produce statistical data on debounce, typematic, and reaction times for all keys. It will also provide statistical data on fundamental keyboard time for each of the ten keys in the test sequence, which represent typical usage requirements.

Evaluate is free with the purchase of Filch (Kinetic Designs, see entry). Evaluate is designed to help decide how to use a keyboard redefinition program such as Filch, or how to make other equipment selections.

Chapter 20

Education, Training, and Therapy Software

This chapter includes application software and software/hardware packages whose primary function is to educate, train, or facilitate therapy. The chapter incorporates a wide variety of software, including software for augmentative communication training, software for remediation of speech impairments, software for cognitive rehabilitation, and remedial curricular software designed specifically for learners with disabilities. There is a large amount of curricular skill software that was not designed for disabled students but which has features that make it potentially useful to these students. Space considerations preclude listing this large group of software titles, but Appendix A contains a list of "Software Resources," including publications and organizations that can provide you with further information on software that might be useful to people with disabilities.

The products in this chapter are cross-listed by a number of functions in Index I. If there is a testing component in an Education, Training and Therapy software program, it will be cross referenced under Assessment (AS). In addition, many programs in this section that do not have an evaluative component can often be used creatively for assessment purposes. Other relevant function codes include: Math and Calculation (CN), Keyboarding Training (KB), Language Therapy and Development (LT), Speech Therapy (ST), Sign Language/Fingerspelling (SI) and Cognitive Retraining (CR). The only distinction that is made with regard to curricular software is a division between Early Skills (ES), which are prereading, and Later Skills (LS), which involve some reading.

Chapter 20: Education, Training, and Therapy Software

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Geometric Figures and Spatial Concepts *4-173*
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Keyboarding Program with Voice Output *4-176*
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Kidsword *4-178*
Large Font Electric Answer Sheet I & II *4-178*
Large Font Math Drill Series *4-179*
Large Font Paragraph Recorder *4-179*
Laryngograph *4-180*
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Telling Time, Parts of the Face, Learning Colors *4-193*
This is the Way We Wash Our Face *4-193*
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Keyboarder *3-230*
Keyboarding For The Dyslexic *3-230*
Keyboarding for the Physically Handicapped *3-231*
Keyboarding for the Visually Limited *3-231*
Keyboarding with One Hand *3-232*
Keys to Success: Comp. Keybd. Skills for Blind Children *3-232*
Keytalk *3-233*
Kindermath II *3-233*
Language L.A.B. *3-234*
Language Stimulation Software Series *3-234*
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Learning Workshop *3-235*
Lenical *3-236*
Letter Find *3-236*
Lightpen Programs for Special Education I & II *3-237*
Lip-Reader Trainer *3-237*
Listen to Learn *3-238*
LogicMaster *3-238*
Logo TouchTools for the PowerPad *3-239*
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Special Skill Builders I & II *3-270*
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Speller Bee *3-272*
Spelling Tutor *3-272*
Spellist *3-273*
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Talking Text Writer *3-279*
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Kid Talk *3-322*
Leo's 'Lectric Paintbrush *3-324*
Life Experiences Communication Kit *1-48*
Lighted Vibrating Signalling Buzzer *1-23*
Mac-Apple Communication Aid *3-325*
Magic Music Teacher *3-301*
Micro-LADS *3-179*
MicroIllustrator *3-328*
Mini Talking Card Reader *1-70*
Motor Training Games *3-301*
Multi-Input Selector *1-24*
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Muppet Learning Keys *3-63*
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Omnibox *3-63*
Opticommunicator *1-50*
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Perceptual Motor Trainer *1-24*
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Picture Scanner - Software for Assessment *3-180*
Picture Your Blissymbols *1-52*
Pictures, Please! *1-53*
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Practice Communication Cards *1-55*
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Special Inputs Disk *3-47*
Speller Teller *1-27*
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Switch Latch *1-28*
Switch Latch *1-29*
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Symbol Training Display *1-29*
Talk-to-Me Tutorial: MS-DOS *4-135*
Talking BlissApple *3-339*
Talking Paddles *1-56*
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Voice Mate II *1-36*
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Zygo Model 16C *1-36*
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Product Name: A Is For Apple

Vendor: Hennepin Technical Centers

Computer: Apple II family

Manual Form: Printed Manual

Cost: $15.00

A Is For Apple is voice output program designed to teach the alphabet to visually impaired students. The program speaks the alphabet in order, and each letter is associated with a word ("A is for Apple, B is for Ball," etc.) The student advances to the next letter by pressing the space bar.

An Echo Speech Synthesizer (Street Electronics) is required to use this program. Contact the manufacturer if you are interested in modifying the program's operation.

Product Name: Active Therapy System (ACTS)

Vendor: Handicapped Children's Technological Services, Inc.

Computer: Apple IIe, Commodore 128, Commodore 64

Manual Form: Printed Manual

Cost: $495.00

Active Therapy System (ACTS) is a software and hardware package for training and tracking switch operation. Up to eight switches can be connected to a special switch interface. These switches can control up to twelve devices (reinforcers): eight battery-powered devices and four 120 volt electrical appliances. The ACTS software controls how the switches function and collects data on switch activations. A "timed" mode allows the user to control how long a reinforcer is turned on for a given switch activation (from one second to 24 hours). "Preset duration" control determines how long a switch must be activated before the reinforcer will turn on. "Latch mode" allows the device to be turned on with one switch activation, and off with the next switch activation. Through the ACTS software, each of these parameters can be set individually for each switch. Data collected includes: number of switch closures over time, total time of switch closure, number of times the reinforcer was turned on, and total reinforcement time. Data may be saved to disk and plotted graphically over time.

Switches and reinforcement devices are extra.

Product Name: Auditory Skills Package

Vendor: Psychological Software Services, Inc.

Computer: Apple II+, Apple IIe, Atari, IBM PC family

Manual Form: Printed Manual

Cost: $100.00 - $150.00

Auditory Skills Package is a set of programs designed to help remediate auditory discrimination problems. Auditory Discrimination I requires the user to match a fixed tone to one that can be varied in pitch by moving a joystick. Each tone corresponds to a vertical line on the computer screen. The user can either verify that the tones are matched by seeing if the lines line up or do the exercise with eyes closed. Auditory Discrimination II is the same, but only one tone can be heard at a time. The fixed (target) tone can be heard at any time by pressing a button. Auditory Discrimination III presents a series of tones for the user to match. Successful matching results in an increase in the number of tones presented. Auditory Perception Test presents 120 series of tones, and each tone is to be compared to a target and classified as "higher," "lower," or "same." Response is made using a joystick.

Auditory Skills Package is not considered to be a treatment package for aphasia, but is designed for remediating tonal discrimination difficulties. Apple and Atari versions are $100.00, the IBM version is $150.00.

Product Name: Bliss Skills

Vendor: Blissymbolics Communication International

Computer: Apple II family

Manual Form: Printed Manual

Cost: $35.00

Bliss Skills is a program for creating customized Blissymbol drills. The program makes use of the 1400 Blissymbols available on the Bliss Library disks (available from MECC). Four possible screen formats are provided for creating the drills. The program allows storage and retrieval of data on students' performance. Once drills have been created the student can practice independently on the computer, using either the standard keyboard or switches wired in through the computer's game port.

Bliss Skills is sold in Canada through Blissymbolics Communication International, a division of the Easter Seal Communication Institute. United Statis distributors are Developmental Equipment and EBSCO Curriculum Materials.

Product Name: Breakthrough to Language

Vendor: Paradigm Software

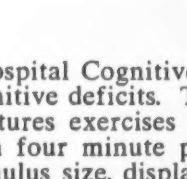
Computer: Apple IIc, Apple IIe, Apple IIgs

Manual Form: *Printed Manual*

Cost: $125.00 - $350.00

Breakthrough to Language is a software language therapy program designed for people with aphasia or head trauma. Breakthrough to Language 1, Words, ($125.00) contains labelling, matching, and completion tasks designed to build word-level skill. Breakthrough to Language 2, Sentences, ($125.00) uses the vocabulary from BTL 1, and is designed to teach noun-verb-noun sequential ordering, and left-to-right eye tracking for reading. Breakthrough to Writing, Vol. 3, ($59.95) employs a touch screen (extra) to teach the alphabet and how to trace block and cursive letters. A worksheet generator ($89.95) allows the therapist to create custom lessons.

All of the Breakthrough programs use the Echo speech synthesizer (required, from Street Electronics) and work with the Touch Window (optional, from Personal Touch). All allow worksheets to be printed out. The "starter pack" (program disk and one lesson disk) is $125.00. A "words pack" of seven lesson programs is $350.00.



Product Name: Brunswick Hospital Cognitive Assessment & Retraining

Vendor: Educational Electronic Techniques, LTD

Computer: Apple II family

Manual Form: Printed Manual

Cost: $175.00 - $225.00

Brunswick Hospital Cognitive Assessment and Training is a set of programs designed to assess and treat cognitive deficits. Two modules are currently available. Module 1, Attention/Selective Attention features exercises that measure the user's ability to attend to one, two or multiple stimuli over a four minute period. In training mode, the therapist can control the program, including stimulus size, display time, rate of presentation, length of each trial, type of stimulus (box or graphic), and visual feedback and auditory prompts. Module 2, Visual Discrimination/Memory, features six programs with gradually increasing levels of difficulty. Assessments can be done for geometric shapes, simple pictures, colors or letters. In the training mode the therapist can control several parameters and options. Both Modules provide exercises that can be operated with either the space bar or a single switch. Both provide "Patient Data Screens" that let the users of the program see their own progress. The therapist can also collect, print and store data.

Module 1 is priced at $175.00, Module 2 at $225.00. Modules 3 and 4 will be released soon.

Product Name: Cause-Effect Graphics

Vendor: Woodstock Software Company

Computer: Apple IIe

Manual Form: Printed Manual

Cost: $99.00

Cause-Effect Graphics is a program that presents animated graphics on the computer screen in response to the activation of switches or keys on the keyboard. Some of the graphic routines require two switches or two keys; some require one switch or allow the person to press any key; some allow for both types of operation. In some cases the graphics remain in motion as long as the switches or keys are activated; in some cases activating the switch or key starts a sequence; and in some cases the person is required to activate the key or switch at a certain time in the sequence of the action. The graphic routines are selected by pressing certain keys on the keyboard. The titles are: Baseball, Bubbles, Butterfly, Car, Circles, Curtains, Draw, Drive, Fireworks, Fish, Kaleidoscope, Mosaic, Parade, Pinball, Quilt, Ribbons, and Stack.

Product Name: Computer Aided Stuttering Treatment (CAST)

Vendor: SAGA Software

Computer: Commodore 128, Commodore 64

Manual Form:

Cost: $169.00

Computer Aided Stuttering Treatment (CAST) is a program that provides the user with feedback on aspects of speech that can be modified to reduce stuttering. The user speaks into a microphone, and the CAST program analyzes the speech and provides feedback on rate of speech (syllables per minute) and gentleness of onset of speech. The program presents a series of exercises which start the user with speaking single syllable words and gradually progress to a continuous speech rate of 180 syllables per minute. After each pause, the CAST program monitors the user's voice for gentleness of onset. The program also provides detailed instructions on how to initiate voice gently. The CAST program progresses through stages. The first stage is reading: the user reads text presented on the screen. The next stages are monologue and conversation. In monologue and conversation, another person needs to be present. The final stage is maintenance, where the user practices speaking skills regularly.

CAST is designed to be used in conjunction with professional therapy. The program includes a Voice Master voice input unit (Covox, Inc.).

Product Name: Computer-Aided Fluency Establishment Trainer (CAFET)

Vendor: Cafet, Inc.

Computer: Apple IIe

Manual Form: Printed Manual

Cost: $3,750.00

Computer-Aided Fluency Establishment Trainer (CAFET) is a program designed to correct stuttering by giving the stutterer visual feedback on aspects of their speech. The core program (average 20 hours) procedes in 54 modular steps, each of which teaches a new phonatory and repiratory skill. Each step monitors performance in six key target areas: diaphragmatic vs. thoratic breathing, continuous airflow vs. breathholding, pre-voice exhalation, slow voice onset, continuous phonation, and adequate breath support. The second stage of the program (average 6 hours) emphasizes using skills in the real world. The third stage is aimed at retaining skills. The complete CAFET package consists of a microphone (for measuring voice patterns), respiratory sensors (for measuring changes in airflow), a plug-in circuit card for the Apple IIe (for displaying voice and airflow graphically), a therapy software and training diskette (for administering the therapy), and a training manual. Also included is training for one at the Annandale Fluency Clinic in Falls Church, Virginia.

A color monitor is required to use CAFET.

Product Name: Conceptual Skills

Vendor: Psychological Software Services, Inc.

Computer: Apple II+, Apple IIe, Atari, IBM PC family

Manual Form: Printed Manual

Cost: $300.00 - $350.00

Conceptual Skills is a set of computer programs designed to enhance skills involved in relationships, comparisons, and number concepts. Number Concepts I displays a group of from one to ten yellow blocks on the screen. The numbers one to ten appear at the bottom of the screen, and the user must move a cursor to the correct number with a joystick, and select the correct number with the joystick button. Number Concepts II is similar, but the numbers are not displayed: the user must pick the correct number. Word Concepts (Big/Little) shows two squares of different sizes. Either bigger or littler can be specified as the correct response, and the user must move a cursor to the correct square. Word Concepts (Same/Different Sizes) presents three shapes on the screen, one of a different size. The user moves an arrow with a joystick to indicate the odd one. Word Concepts (Same/Different Color) and Word Concepts (Same/Different Texture) are similar, but have one shape with different color or visual texture.

The Conceptual Skills package costs $300.00 for the Apple and Atari, $350.00 for the IBM.

Product Name: Creature Antics

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II family

Manual Form: Printed Manual

Cost: $50.00

Creature Antics is a game program designed to teach cause-and-effect and switch operation. Blob, Breaker, and Roggi (characters from First Words, First Words II, and First Verbs by Laureate Learning Systems) appear on the computer screen when a single switch is activated or a touch screen touched. They perform animated routines designed to amuse the user and to encourage activation of the switch or touch screen. Graphics appear in color on a color monitor.

Creature Antics requires a switch interface (available from Laureate) and a switch, or the Touch Window (from Personal Touch Corporation).

Product Name: Creature Chorus

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II family

Manual Form: Printed Manual

Cost: $75.00

Creature Chorus is a game program designed to teach cause-and-effect, and to reinforce activating a switch or pressing a touch screen. Creature Chorus offers seven different games, each of which shows a creature or creatures performing an amusing animated routine. In "Conduct a Creature Chorus," creatures appear one at a time when a switch is activated or the touch screen touched. When all the creatures are assembled, they perform a dance. In "Shrinker," the user must touch a particular area on the screen (a box with a creature in it) to make the creature dance. The box shrinks with each successful try. These and five other programs are provided. Graphics appear in color on a color monitor.

A switch interface (available from Laureate Learning Systems) and a switch, or the Touch Window (from Personal Touch Corporation) are required to run Creature Chorus.

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Product Name: Dinosaur Game

Vendor: UCLA/LAUSD Microcomputer Team

Computer: Apple IIe

Manual Form: Printed Manual

Cost: $15.00

The Dinosaur Game is an educational game program for one to four players. The program uses color graphics and synthesized speech to help promote independence, turn-taking, sharing, and rule-following. The game is also designed to help with other skills such as sequencing and color identification. The players operate the game using a single switch. The instructor must load the disk and start the game; after that the students can play independently. The Dinosaur Game provides verbal instructions to the players on how and when to play.

The Dinosaur Game requires a color monitor, an Echo II speech synthesizer (from Street Electronics), and an adaptor for plugging switches into the computer's game port. The manufacturer designates this program for the three to five age range.

Product Name: Elementary Volume 1 - Mathematics

Vendor: American Printing House for the Blind (APH)

Computer: Apple II family

Manual Form: Electronic Manual

Cost: $18.39

Elementary Volume 1 - Mathematics is an education program originally developed by MECC (Minnesota Educational Computing Consortium) and adapted for speech output by the American Printing House for the Blind. The program is designed so that all output is presented by a speech synthesizer, and the user does not need to be able to see the computer screen. There are several programs on a single disk: Bagels, a mathematical logic and guessing game; Change, a change-counting drill; Hurkle, a game for teaching the coordinate system; Metric Estimate, where the student must estimate the length of a line (which can be printed in braille); Metric Length, a drill on converting metric units; Metric 21, a blackjack game for teaching metrics; Number, a guessing game; Round, a number-rounding drill; Speed Drill, a timed or untimed drill on arithmetic; Taxman, a program on factors and primes; and Tens, a drill on multiplying multiples of ten.

All documentation is provided on disk with voice output. An Echo+, Echo IIb, or Cricket speech synthesizer (from Street Electronics) is required, depending upon the computer used.

Product Name: ESAM Learning System

Vendor: ESAM Learning Systems, Inc.

Computer: Apple IIe, Commodore 64

Manual Form: Printed Manual

Cost: $995.00 - $1,145.00

ESAM Learning System is a voice output communication program that uses one or two switch scanning. The program presents a grid of picture symbols on the computer screen, each with an accompanying word. The user activates a switch to move through the choices. When the desired choice is reached, the user selects the word by releasing the switch (one switch mode) or by activating another switch (two switch mode). The system speaks the chosen word via a speech synthesizer. There are a number of screens of vocabulary, grouped according to topic. The user first selects the desired screen of vocabulary from a main menu, then selects the desired word from that screen. There is a "mini-menu" of choices that is always on the screen, including "return to main menu," "yes/no," "call" (triggers a call signal), and "erase." Other screens can be searched for desired vocabulary without actually leaving the screen one is currently on.

The ESAM Learning System (see entry) is available with or without ESAM's Switch Training Program software (with, $1,145.00; without, $995.00).

Product Name: ESAM'S Switch Training Program

Vendor: ESAM Learning Systems, Inc.

Computer: Apple II family, Commodore 64

Manual Form: Printed Manual

Cost: $195.00 - $745.00

ESAM'S Switch Training Program is a program designed to teach switch operation skills and cause and effect. Activating a switch causes the computer to produce sounds and graphics. A special adapter (ESAM'S KEE) allows the switches to also control battery-operated devices such as toys. The program can be used with one or two switches. The speed and difficulty level can also be controlled. The program stores data on the switch user's performance.

ESAM'S Switch Training Program is available as an option for the ESAM Learning System communication program (see entry) for $195.00. The program itself with the necessary hardware (switches and the ESAM'S KEE interface) is priced at $745.00.

Product Name: EZmorse Tutorial

Vendor: Regenesis Development Corporation

Computer: IBM PC family

Manual Form: Electronic Manual

Cost: $50.00

EZmorse Tutorial is a program designed to teach the EZmorse key codes developed by the Neil Squire Foundation for use with the IBM-PC, XT, AT and compatibles. This Morse system assigns a code to each key on the PC, and is the same system used by the EZMorse Keyboard Emulator (see entry). The system uses one or two switch Morse code.

Product Name: First Mate

Vendor: Network Services

Computer: Apple IIgs, Apple II family

Manual Form:

Cost: $199.00

First Mate is a software package for developing and training perceptual skills. Three modules are available: Attention Skills, Visual/Motor Skills, and Conceptual Skills. Attention Skills focuses on color discrimination/inhibition, scanning reaction/inhibition, scanning reaction time, and stimulus reaction/inhibition. Visual/Motor Skills focuses on spatial orientation, visual tracking and discrimination, visual tracking and inhibition, and visuospatial memory. Conceptual Skills focuses on pattern matching, numeric skills, symbolic matching, and number and letter sequencing. Scores can be printed out. Task difficulty is adjustable for each program. The programs can be used in assessment mode or training mode. First Mate can be controlled with the standard keyboard or with a joystick.

The three individual modules can be purchased separately for $199.00 each. The entire First Mate package is priced at $399.00.

Product Name: Five Choice Toy Program

Vendor: Lehigh Valley Easter Seal Society

Computer: Apple II family

Manual Form: Printed Manual

Cost: See text

Five Choice Toy Program is a program that presents prompts to encourage activating battery-operated toys. A switch and a toy are connected to the computer. The program presents a picture of the toy on the computer screen. When the switch is pressed, the toy corresponding to the picture is activated. The toy is automatically activated for 10 seconds no matter how long the switch is pushed. Graphics for several toys are provided, but only one toy at a time can be interfaced with the computer. The graphics on the first disk are: drumming teddy bear, train, robot, dog, and picture of a child activating a switch. The graphics on the second disk are: caterpillar, climbing fireman, city interchange, and fairyland castle ride.

For software, send a blank disk plus one dollar. The interface board for connecting the toys to the computer must be constructed. Plans are provided.

Product Name: Geometric Figures and Spatial Concepts

Vendor: Favin, David

Computer: TI 99/4A

Manual Form: Printed Manual

Cost: Free

Geometric Figures and Spatial Concepts is a simple educational program with voice output. Various shapes (rectangles, circles, triangles, stars, etc.) are presented on the screen. The student is prompted by the synthesized voice to identify them. An object is shown in a variety of positions (such as inside a box, outside a house, or on a line), and the program prompts the student to indicate the right position word. A running score is presented in the lower right-hand corner of the screen.

A Votrax speech synthesizer (Type-'N-Talk or Personal Speech System) is required to run the program. This program was developed through the Telephone Pioneers of America, and is free to anyone interested.

Product Name: Goldilocks and the Three Bears

Vendor: Microcomputer Applications

Computer: Apple II+, Apple IIe

Manual Form: Printed Manual

Cost: $35.00

Goldilocks and the Three Bears is a speech output software program designed to teach and reinforce the skill of grammatic closure, the ability to integrate discrete units into a whole. Initially the program reads the story of Goldilocks to the student, presenting graphics of scenes from the story, and reading the text via speech synthesizer. After the story is read, a choice of four exercises is offered: Nouns Missing, Verbs Missing, Pronouns Missing, and Closure. These exercises draw upon the story for material, and present questions via the speech synthesizer. The student makes choices with single keystrokes, mainly using the space, escape, and return keys. A record of the student's performance can be printed. The manufacturer describes the program as targeted to mental ages of 3.0 to 9.0.

An Echo speech synthesizer (Street Electronics) is required to use Goldilocks and the Three Bears. A color monitor is preferable.

Product Name: GrammarPlay with Alps and Droops

Vendor: Optimal-Ed Learning Materials

Computer: Apple II family

Manual Form: Electronic Manual, Printed Manual

Cost: $54.95

GrammarPlay with Alps and Droops is an educational program in game format, designed for use by dyslexic students. The student hunts for parts of speech in Grammarland, aided by Alps and thwarted by Droops. The ten learning games offered are: Subject Noun Hunt, Verb Hunt, Preposition Hunt, Prepositional Phrase Hunt, Adjective Hunt, Adverb Hunt, Pronoun Hunt, Mixed Practice with Subject Nouns, Verbs and Prepositional Phrases, Mixed Practice with Adjectives, Adverbs and Pronouns, and Mixed Practice with all the Basic Parts of Speech. Games increase in difficulty, and each game emphasizes particular phonic patterns. For variety, four game board configurations are able to be selected. From one to four can play.

Product Name: Interaction Games

Vendor: Developmental Equipment

Computer: Apple IIc, Apple IIe, Apple IIgs

Manual Form: Electronic Manual, Printed Manual

Cost: $65.00

Interaction Games is a set of switch operated games designed to teach cognitive, early academic and switch operation skills. The games allow two children to play, each using their own switch. Some games are competetive and some are cooperative. Some of the games emphasize such basic skills as letter recognition, and other games (such as one with a race format) simply encourage switch operation. The most complex game is "Scancentration," a scanning version of Concentration. In some games directions are provided via synthesized speech.

Two switches, a switch interface for the computer, and an Echo speech synthesizer are required to use Interaction Games. A minimum of 64K of memory is also required.

Product Name: IntroVoice Utility Disk

Vendor: Marblesoft

Computer: Apple II family

Manual Form: Printed Manual

Cost: $35.00

IntroVoice Utility Disk is software that will facilitate the use of the IntroVoice voice input system (from Voice Connection) with the Early Learning programs from Marblesoft. A special vocabulary file helps eliminate recognition errors and allows partial training for those students who cannot remain attentive. The disk allows three different recognition modes to fit any student: a permanent file stored on a disk, special two-word training for those with limited vocal skills, and a "no-training" mode for classroom use.

Product Name: ITS YOUR WORDS

Vendor: Speech Enterprises

Computer: Apple II family

Manual Form: Printed Manual

Cost: $65.00

ITS YOUR WORDS is a talking authoring system for Apple II computers. The authoring system was adapted by Little Shaver Software and the Florida School for the Deaf/Blind for use with the hearing or vision impaired, or reading or learning disabled. The authoring system was designed for preparing tests, drills or review. Sound effects and speech can be turned on or off. Menus are provided for the instructor for program management and student record management. The student can choose from New Words (key word or phrase review), Vocabulary (a hangman-style learning game), Tutorial, and Final Test.

A demo disk is available for $5.00. Ask the manufacturer about compatible speech synthesizers.

Product Name: Keyboarding Program with Voice Output

Vendor: Favin, David

Computer: TI 99/4A

Manual Form: Printed Manual

Cost: Free

Keyboarding Program with Voice Output is a program that uses synthesized voice to teach the position of keys on the computer keyboard. In the first phase the student can press any key and the computer will speak the letter for that key. In the second phase, the program prompts the student to type a particular letter. The program prompts in either alphabetic or random order. In issuing instructions, the program addresses the student by name. A running score is presented in the lower right-hand corner of the screen.

A Votrax speech synthesizer (Type-'N-Talk or Personal Speech System) is required to run this program. This program was developed through the Telephone Pioneers of America, and is free to anyone interested.

Product Name: Kid-Talk I

Vendor: Unaweep Software

Computer: Apple IIc, Apple IIe

Manual Form: Printed Manual

Cost: $49.95

Kid-Talk I is a therapy aid program designed to explore attitudes and elicit information on behaviors. The program consists of four sections. "Telling About Yourself" employs graphics to encourage the child to describe what makes him "happy, sad, mad or worried". The therapist can type in unique topics, the child can choose an emotional response, and the program will ask about that emotion with regard to that topic. "Liking Yourself" is designed to uncover aspects of self-esteem. "Behaving Yourself" is designed to elicit information on adaptive and maladaptive behaviors. The fourth section is a "Blackboard" where the child and therapist can write homework assignments, stories, and feelings.

Product Name: Kidsview

Vendor: Kidsview Software, Inc.

Computer: Commodore 128, Commodore 64

Manual Form: Audiotape Manual, Printed Manual

Cost: $39.95

Kidsview is a program that provides large print on the computer screen. Kidsview is primarily designed to be a development and display tool: the user can write and run programs with large print displayed on the screen. Characters appear 5/8" in height on a 14-inch monitor, and 1-1/4" in height on a 25-inch monitor.

Kidsview is not designed for access to standard commercial software, but some commercial programs can be run with large print using Kidsview. Kidsview supports the Muppet Learning Keys keyboard (Sunburst Communications).

Product Name: Kidsword

Vendor: Kidsview Software, Inc.

Computer: Commodore 128, Commodore 64

Manual Form: Audiotape Manual, Printed Manual

Cost: $39.95

Kidsword is a large character word processor. The operation of the program is designed to be simple enough for children. Text characters appear 5/8" high on a 14" monitor; 1-1/4" high on a 25" monitor. Ten lines of text appear on the screen at a time, along with two color-coded status lines. The character and background colors can be adjusted. The program can generate large print on compatible printers as well.

Large character manuals and disks containing documentation in Kidsword-readable format are available.

Product Name: Large Font Electric Answer Sheet I & II

Vendor: Hennepin Technical Centers

Computer: Apple II family

Manual Form: Printed Manual

Cost: $35.00 each

Large Font Electric Answer Sheet is a program that allows a student to type answers to questions and to see these responses in large type on the computer screen. The student replies to questions by typing an answer on the keyboard and pressing RETURN. Once a response is typed, it cannot be changed. The program does not correct the student, but simply stores the responses. After a test, the answers can be printed or saved for later printing, and the student is given the option of beginning the next test. The maximum length of a response is 235 characters. The program numbers the responses automatically.

Large Font Electric Answer Sheet I automatically presents the student's name. Large Font Electric Answer Sheet II asks students to type their name first. The program is available with a timer feature.

Product Name: Large Font Math Drill Series

Vendor: Hennepin Technical Centers

Computer: Apple II family

Manual Form: Printed Manual

Cost: $15.00 each

Large Font Math Drill Series is a set of programs for arithmetic practice which display the numbers in large print on the computer screen. The instructor types in a series of pairs of numbers to set up the exercise. The program then presents the numbers as addition problems, subtraction problems, or both. In subtraction the program always places the larger number first. The program gives the student two chances to try and then displays the correct answer. A "right" or "wrong" message containing the student's name is presented. The results of a drill can be printed or saved to be printed later, but once printed they cannot be retrieved again.

There are several versions available. Large Font Math Drill for One and Two Digit Numbers offers the option of showing each problem vertically, horizontally, or both. Large Font Math Drill for up to Five Digits (Two Rows) displays problems horizonally, and allows borrowing and carrying. Large Font Math Drill for up to Five Digits (Three Rows) allows three addends, addition only. Large Font Multiplication/Division Drill allows for one and two digit numbers, and displays problems horizontally.

Product Name: Large Font Paragraph Recorder

Vendor: Hennepin Technical Centers

Computer: Apple II family

Manual Form: Printed Manual

Cost: $35.00

Large Font Paragraph Recorder is a program for writing test answers or single paragraphs of text. Text is displayed in large print on the computer screen. The program does not present test questions, but only provides a means for the student to write and edit answers in large print. A paragraph cannot be edited once it is complete and the student has moved on to the next paragraph. First lines of paragraphs are automatically indented. Each paragraph can be up to 235 characters long.

Contact the manufacturer about what printers can be used to print the text.

Product Name: Laryngograph

Vendor: Kay Elemetrics Corporation

Computer: Apple II family

Manual Form: Printed Manual

Cost: $1,395.00

Laryngograph is an device that detects and processes laryngeal characteristics of a person's voice. The laryngograph can in turn be interfaced with a microcomputer to display and print these voice patterns. The user places two transducers (vibration detectors) against the larynx and speaks. The transducers are designed specifically to pick up and record movement of the chords, and the opening and closing of the vocal folds, independent of extraneous acoustic noise and the qualities of the resonance tract. The system detects the complete pattern of vocal fold closure in each vibrating cycle, including closure duration and completeness, closure velocity, and coordination (sharpness) of the closure event. The trace of these events (the Lx waveform) is generated, and can be transmitted to the computer or to an oscilloscope for display.

In order for the waveforms to be displayed on the computer screen, an interface unit and appropriate software are required. The Laryngograph works with the Visi-Pitch system (also from Kay Elemetrics).

Product Name: Learning the Alphabet

Vendor: Favin, David

Computer: TI 99/4A

Manual Form: Printed Manual

Cost: Free

Learning the Alphabet is an educational program with synthesized voice output. In the first phase of the program a letter is presented on the screen and spoken by the synthesizer. Associated with the letter is a word beginning with that letter. In the second phase of the program a particular letter is presented and spoken, and the student is asked if the letter has been identified correctly. The student makes a yes/no decision using two switches. In this phase of the program the letters are presented in random order. A running score is displayed in the lower right-hand corner of the screen.

A Votrax speech synthesizer (Type-'N-Talk or Personal Speech System) is required to use this program. Contact the manufacturer about connecting switches to the computer. This program was developed through the Telephone Pioneers of America, and is free to anyone interested.

Product Name: Logo Learning with Numbers

Vendor: J B Software

Computer: Apple II family, Commodore 64

Manual Form: Printed Manual

Cost: $49.95

Logo Learning with Numbers is a set of programs in Logo language designed to teach basic math skills. The programs are "authorable," that is they can be altered to the user's needs with only a basic knowledge of the Logo language. Eleven of the twelve programs present practice in whole number recognition and whole number operations. The twelfth, GUESS, is a Logo version of the computer game "Guess the Number." FINDNUMBER and NEXTNUMBER help with identifying numbers and learning number sequence. ADD, SUB, MULT and DIV use large turtle graphics numbers to present practice equations. ADD.C, SUB.C, MULT.C and DIV.C present problems in a more classical form. These eight arithmetic programs all allow setting of the largest number to be used, and erase wrong answers until the correct one is given. WRITENUMBER allows for the creation of custom addition and subtraction problems.

The Logo Learning with Numbers programs were written under the direction of special education teachers of children with autism and other severe learning disabilities. Versions are available for Apple Logo, Apple Logo II, M.I.T. Logo and Commodore Logo.

Product Name: Logo Learning with Words

Vendor: J B Software

Computer: Apple II family, Commodore 64

Manual Form: Printed Manual

Cost: $49.95

Logo Learning with Words is a set of programs in Logo language designed to teach basic spelling and reading skills. The programs are "authorable," that is they can be altered to the user's needs with only a basic knowledge of the Logo language. Seven of the eight programs present practice in letter recognition, reading and spelling. The eighth is a version of the Logo program "INSTANT" which controls the movement of the turtle with single-key commands. LETTERS helps the user learn to identify the letters of the alphabet. NEXTLETTER helps teach the alphabet sequence. WORDS is a program that draws single words on the screen for reading practice. In OPPOSITES the user learns pairs of words with opposite meanings. In PHRASES short words and phrases are drawn on the screen. WRITE functions like a "Logo typewriter." In READNUMBER words for numbers are presented.

The Logo Learning with Words programs were written under the direction of special education teachers of children with autism and other severe learning disabilities. Versions are available for Apple Logo, Apple Logo II, M.I.T. Logo and Commodore Logo.

Product Name: MacSpeech Lab

Vendor: GW Instruments

Computer: Apple Macintosh

Manual Form: Printed Manual

Cost: $300.00

MacSpeech Lab is a hardware and software package for the Apple Macintosh which allows speech patterns to be displayed graphically. A hardware unit (MacADIOS) accepts the incoming audio signal and translates it into a digital signal. The software translates this signal's various characteristics into graphic representations on the computer screen. Various viewing options include: wide and narrow band spectrograms (showing progression of frequency spectra with time), spectra displayed in fast Fourier transform (FFT) plots, fundamental frequency (variation of vibration of the larynx in an utterance), and multiple window viewing which allows several of these displays on the screen simultaneously. In addition, the user can edit, save, delete, play, append, amplify, zero, offset and normalize segments of an utterance. Utterances can be saved to disk and graphic displays printed out on an Apple Imagewriter.

The MacADIOS voice input/ouput hardware is required in order for the MacSpeech Lab software to function. The price of this system is approximately $2,500.00. Contact GW Instruments for more information.

Product Name: Math Decathlon

Vendor: Hauck, David

Computer: Apple II+, Apple IIe

Manual Form: Printed Manual

Cost: $39.00

Math Decathlon is a program with voice output designed to accomodate basic math skills. The program is designed as a game for up to four players. Each player represents a country, competing in eight "Olympic" math events. The games can be played at one of three skill levels. The events are: Find the Missing Number, Guess the Number, Speed Math, Count the Beeps, Lowest Common Denominator, Clock Math, Mental Math, and Penny Battle. At the conclusion of an event, the program plays the national anthem of the winning "country." All instructions are provided via the speech synthesizer, and the players answer via the keyboard. Math Decathlon is recommended by the maker for players in grades four through twelve.

An Echo speech synthesizer is required to run Math Decathlon.

Product Name: Micro-Interpreter III (Elementary Signer)

Vendor: Microtech Consulting Company

Computer: Apple II family, IBM PC family

Manual Form: Printed Manual

Cost: $79.95 - $129.95

Micro-Interpreter III (Elementary Signer) is a animated sign language program designed for elementary school students. The student types a word into the computer, and the program presents an animated line drawing of a person making the ASL sign for that word. The program can present ASL signs for 160 words. The vocabulary is selected to be appropriate for elementary school students. The motion of the sign can be slowed down, sped up, frozen or repeated. Captions can be turned on or off. An option is provided for students to test their knowledge of the signs. The Micro-Interpreter III has a subprogram contained on disk that allows the computer to act as a speech synthesizer, in which case the student can hear the word spoken when the sign appears.

The program is available in several versions: English, French or Spanish versions without speech ($79.95) and with speech ($99.95), and bilingual versions without speech ($99.95) and with speech ($129.95).

Product Name: Micro-Interpreter IV (Story Signer)

Vendor: Microtech Consulting Company

Computer: Apple II family

Manual Form: Printed Manual

Cost: $44.90

Micro-Interpreter IV (Story Signer) is a program that presents stories in sign language. The program alternates between displaying an illustration from the story and displaying an animated drawing of a person making the appropriate ASL signs to narrate the story. English captions are also provided, and can be turned on or off. A comprehension feature allows testing of vocabulary used in the story.

Micro-Interpreter IV is purchased in two parts: a program disk ($29.95) and story disks ($14.95 apiece). Contact the manufacturer for information on the stories available.

Product Name: Money Skills

Vendor: Marblesoft

Computer: Apple II family

Manual Form: Printed Manual

Cost: $40.00

Money Skills is a program for teaching identification of coins and bills, counting denominations and making change. The program deals with both U.S. and Canadian currency. The lessons can be set at increasing levels or difficulty. A variety of input options are available, including single switch scanning, hand controls, PowerPad (Dunamis, Inc.), Touch Window (Personal Touch Corporation), and Gibson Light Pen (Koala Technologies). A customizable voice output option is offered as well.

In order to use the speech option, an Echo speech synthesizer is required for the Apple IIe, a Cricket for the IIc. The various alternative control systems are purchased separately.

Product Name: Morse Code Training

Vendor: Regenesis Development Corporation

Computer: Apple II+, Apple IIe

Manual Form:

Cost: $30.00

Morse Code Training is a program designed to teach Morse code to a person who will be using Morse as an alternate input method for a computer. The program can be operated with whatever switch the person will be using, and offers drill and practice in either single or dual switch Morse code.

The program can be used with either the Johns Hopkins University version of Morse code and the APL Special Interface Card or the University of Washington version of Morse code and either the Adaptive Firmware Card or the Special Inputs Disk. The program is available with large print if desired.

Product Name: Motor Training Games

Vendor: Developmental Equipment

Computer: Apple II family

Manual Form: Electronic Manual, Printed Manual

Cost: $35.00

Motor Training Games is a set of 14 switch-operated games and formal activities designed to teach cognitive and switch-operation skills. The activites and games can be operated with a single switch. Cognitive skills emphasized include cause and effect, left/right eye tracking, and directionality. The manual provides suggestions for specific applications.

A single switch and a switch interface for the computer are required to use Motor Training Games.

Product Name: My Book

Vendor: Boston Educational Computing, Inc.

Computer: Commodore 64

Manual Form: Printed Manual

Cost: $34.95

My Book is a program that allows a student to create pictures using only a joystick. A "library" of objects appears on the computer screen. From this library objects can be "picked up" using the joystick and placed in a picture of the student's own composition. Pictures can also be colored. Students capable of spelling and using the keyboard can add captions. Multiple pictures can be saved on disk. Pictures can be printed on most printer capable of producing Commodore graphics.

A compatible joystick is required to use My Book. Printer is optional.

Product Name: Nasometer

Vendor: Kay Elemetrics Corporation

Computer: Apple IIe, IBM PC family

Manual Form: Printed Manual

Cost: $2,500.00

Nasometer is a microcomputer-based system for measuring and providing biofeedback on nasalance problems. A pair of microphones, separated by a horizontal barrier, record separately the acoustic output from a speaker's nose and mouth. This information is then transferred to the computer. A software program on the computer displays the ratio of acoustic energy from the oral cavity to that from the nasal cavity. This ratio is designed to measure the degree of perceived nasality in the speaker's voice. The ratio can be displayed in different chart and graph formats, including a nasality level indicator with goal levels marked on it. Information displayed on the screen can also be printed out.

The complete system (apart from computer and printer supplied by user) consists of: the Nasometer input device (including microphones), a plug-in circuit card for the computer, Nasometer software, and the appropriate cables.

Product Name: Numberswitch

Vendor: Lehigh Valley Easter Seal Society

Computer: Apple II family

Manual Form:

Cost: See text

Numberswitch is a simple program designed to reinforce the act of activating a switch. The switch is connected to the computer, and when it is activated, a graphic appears on the screen. A library of graphics is provided on the disk, and they can be "paged through" (like a picture book) by activating the switch.

A interface for connecting the switch to the computer is required. To obtain the software, send a blank disk plus one dollar.

Product Name: Play and Match

Vendor: Lehigh Valley Easter Seal Society

Computer: Apple II family

Manual Form:

Cost: See text

Play and Match is a program designed to reinforce picture recognition and switch operation. A special four-switch keyboard is constructed and connected to the computer. Pictures are placed on the keys of the keyboard. A picture is shown on the computer screen. If the student responds by pressing the matching picture on the keyboard, a smiley face appears and a tune plays. Incorrect responses are ignored. Six disks with one or two matching activities apiece are provided. A utility disk provides the instructor or therapist with the opportunity to create custom pictures.

To obtain the software, send a blank disk plus one dollar. The special keyboard must be constructed. Directions are included.

Product Name: Program for Aphasics

Vendor: Favin, David

Computer: TI 99/4A

Manual Form: Printed Manual

Cost: Free

Program for Aphasics is program for teaching spelling. The program displays and speaks a word, and the user is then asked to spell it. The user can "cheat" as much as desired in the attempt to spell a word, but once the attempt at spelling the word begins the prompting ceases. The prompting can be started again by the user, but this erases any previous partially spelled word.

A Votrax speech synthesizer (Type-'N-Talk or Personal Speech System) is required for voice output. This program was developed through the Telephone Pioneers of America, and is free to anyone who is interested.

Product Name: Programs for Early Learning and the Retarded

Vendor: Computer Foundation for Handicapped Children

Computer: Commodore 64

Manual Form: Electronic Manual

Cost: $3.00 per disk

Programs for Early Learning and the Retarded is a set of 22 simple programs that stress skills such as counting and the alphabet. Many use synthesized voice output. The programs cover a variety of topics. There are programs for teaching shapes, colors, counting, and the alphabet. There is a program that presents basic wants by speaking the name of the want and showing a picture. There are speaking and illustrated programs that deal with flowers, food, musical instruments, sports, the barnyard, and more. There is also a voice output time-telling program. There are eight disks in all, and each is $3.00.

The programs that have speech require the Software Automatic Mouth (SAM) speech synthesizer. All programs are available separately. Write to Don Peterson at Computer Foundation for Handicapped Children for a complete list.

Product Name: Rockets to the Moon

Vendor: UCLA/LAUSD Microcomputer Team

Computer: Apple IIe

Manual Form: Printed Manual

Cost: $15.00

Rockets to the Moon is an educational game program for one to four players. Rockets to the Moon uses color graphics and synthesized speech to promote concepts such as sequencing, turn-taking, and color identification. Players use one shared single switch to operate the game. The game must be set up and the students names entered by the instructor: from there the students can play by themselves. The program tells the students verbally how and when to play.

Rockets to the Moon requires a color monitor, an Echo II speech synthesizer, and an adaptor for plugging switches into the computer's game port. The manufacturer recommends it for the three to five age range.

Product Name: Spatial Perception

Vendor: Psychological Software Services, Inc.

Computer: Apple II+, Apple IIe, Atari, IBM PC family, IBM PC jr

Manual Form: Printed Manual

Cost: $30.00 - $35.00

Spatial Perception is a computer program designed for cognitive rehabilitation. A 5 x 5 grid of large symbols is presented, with rows and columns labelled numerically. One of the squares briefly turns a different color. The user is required to indicate the symbol that changed by its row and column numbers. Correct responses shorten presentation time and incorrect responses lengthen the time. The program terminates when the user reaches an oscillation point of making as many errors as correct responses. A speed score and the number of column and row errors are presented at the end of a session.

The Apple and Atari versions of Spatial Perception are $30.00; the IBM version is $35.00.

Product Name: Speaking Speller

Vendor: American Printing House for the Blind (APH)

Computer: Apple II family

Manual Form: Electronic Manual, Printed Manual

Cost: $14.79

Speaking Speller is a spelling program with speech output. The program reads a word to the student in a synthesized voice: first alone, then in the context of a sentence, then one more time alone. The student is then required to spell the word on the computer keyboard. Speaking Speller allows the instructor to create custom lists of words, and to adjust the way the synthesizer pronounces the words by including phonetic spellings. The length of the word list is limited only by computer memory, and extra lists can be stored on disks. Speaking Speller has two sections. In the practice section, the student is told immediately if a spelling is correct, and given the correct spelling if mistaken. In the test section, the results are only given at the end of the session; either in printed form, on the screen, or in spoken form.

An Echo or Cricket speech synthesizer is required to run Speaking Speller. Versions are available for either ProDos or Apple DOS 3.3. Instructions are provided on disk and in large print.

Product Name: Special Education Collection

Vendor: Humanities Software

Computer: Apple II family

Manual Form: Printed Manual

Cost: $59.00 per disk

Special Education Collection uses activities from the Write On! Series (also from Humanities Software), modified to meet special education needs. The activities are designed to provide structured practice with basic language skills, while providing opportunity for self-expression through creative writing. The collection includes: "Sentences III," "Me Disk," "Chant, Chant, Chant" (writing chants, or simple poems), "Word Family Chants" (teaching word families such as color, number, size), "Let's Write Couplets," and a "Primary Literature Collection" of picture book classics (17 titles) meant to serve as simple models for creative writing.

The price of $59.00 per disk includes backup and teacher's guide. The complete set is available for $614.00.

Product Name: Spin and Spell

Vendor: Speech Enterprises

Computer: Apple II family

Manual Form:

Cost: $45.00

Spin and Spell is a large print spelling program. The program presents the student with scrambled words in large type (1/4" or about 18-point). The student must try to unscramble the words. The student cannot enter the word spelled incorrectly, and is given chances until it is spelled correctly. Correct guesses show up in sequence until the spelled word is complete. Sound effect prompts and musical sequences are used for cues and reinforcement. Options include: storing word lists, teacher's security feature, and record keeping.

An Echo + or Cricket speech synthesizer (extra) is required to use Spin and Spell: the Echo for the Apple II+ or IIe; the Cricket for the IIc.

Product Name: Talking Pictures Series

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II family

Manual Form: Printed Manual

Cost: $100.00 each

Talking Pictures Series is a program that allows a touch screen to function as a communication board with voice output. Pictures and words are placed on an overlay on the touch screen. When the user touches a particular word or picture, a speech synthesizer in the computer speaks the appropriate word and the picture or word appears on the computer screen. Printed overlays that correspond with the pre-programmed vocabulary are provided. Two exercises are also included in the program. In "Picture Identification" the computer asks the user to find a word and touch the right picture on the overlay. In "Picture Matching" the user is shown a picture and asked to touch the corresponding picture on the overlay.

Three different programs are available: Talking Verbs, Talking Nouns I, and Talking Nouns II. A Touch Window (Personal Touch Corporation) and an Echo speech synthesizer (Street Electronics) are required to use the programs. The picture overlays are provided.

Product Name: Talking Public Domain Disks

Vendor: FDLRS/South

Computer: Apple IIe

Manual Form: Electronic Manual

Cost: Contact manufacturer

Sets of public domain software are available on disk with voice output, from the Florida Disability Learning Resource System/South (FDLRS/South). The programs were selected and adapted so that synthesized voice output would provide all the information that the screen provides, so that they could be used by visually impaired students. The disks contain primarily educational programs. There are currently 71 "volumes," each volume being a side of a disk (disks are filled on both sides). There is a disk of Morse code programs for amateur radio, a DOS utilities disk, six disks on math (addition, subtraction, multiplication, division, time concepts and fractions), fourteen disks on language arts, four on social studies, two with musical selections, two with typing drill programs, and six with educational games. There are also disks with High School subject matter: seven on computer science, four on general science and physics, two on math, and seven on industrial arts. The rest of the disks are PRODOS programs related to word processing.

A speech synthesizer is required. Contact FDLRS/South for information on ordering.

Product Name: Talking With Your Touch Window

Vendor: Lehigh Valley Easter Seal Society

Computer: Apple II family

Manual Form:

Cost: See text

Talking With Your Touch Window is a simple program for speech output with the Touch Window (Personal Touch Corporation). The user can program any part of the Touch Window to represent a particular word or phrase. When that part is touched a speech synthesizer speaks the programmed word or phrase. Overlays can be created with words, pictures or symbols for the areas of the Touch Window corresponding to particular vocabulary.

A Touch Window and an Echo speech synthesizer (Street Electronics) are required to use Talking With Your Touch Window. To obtain the software, send a blank disk plus one dollar.

Product Name: Tell and Spell

Vendor: Speech Enterprises

Computer: Apple II family

Manual Form:

Cost: $50.00

Tell and Spell is a talking spelling program. The instructor can create lists of words, determining how they should be spelled and how the speech synthesizer should pronounce them. The program presents the words to the student, who must type in the correct spelling. Options include: storing word lists for future use, built-in "help" instructions, a teacher's security system, and record keeping.

An Echo + speech synthesizer is required to use Tell and Spell with the Apple II+ or IIe (extra), a Cricket is required for the IIc (both by Street Electronics).

Product Name: Telling Time, Parts of the Face, Learning Colors

Vendor: Favin, David

Computer: TI 99/4A

Manual Form: Printed Manual

Cost: Free

Telling Time, Parts of the Face, and Learning Colors are three programs with voice output designed to teach basic skills. Telling Time presents a clock face on the computer screen. Parts of the Face shows a color picture of a face and asks the student to identify parts. A correct answer is rewarded by a short refrain of a song. Learning Colors presents the full computer screen in a single color, and prompts the student to decide whether it is a certain color. The student answers yes or no using one of two switches.

A Votrax speech synthesizer (Type-'N-Talk or Personal Speech System) is required for voice output. Contact the manufacturer about connecting switches to the computer. These programs were developed through the Telephone Pioneers of America, and are provided free to anyone interested.

Product Name: This is the Way We Wash Our Face

Vendor: UCLA/LAUSD Microcomputer Team

Computer: Apple IIe

Manual Form: Printed Manual

Cost: $15.00

This is the Way We Wash Our Face is a program that uses this familiar song to help teach such skills as turn-taking, sharing, beginning sequencing, and socialization in a small group. The program uses the PowerPad expanded keyboard (Dunamis, Inc.) and an overlay that contains five pictures. By pressing on a picture, the student can hear the verse of "This is the Way. . ." that pertains to that picture. The program also presents an animated graphic for the verse. The "scene" on the computer screen returns to a bedroom scene after each verse, at which time another verse can be selected. The PowerPad can be passed amongst a group of students, each one taking a turn selecting a song. The song is sung by a speech synthesizer. The instructor must load the program and begin it; after that the students can operate it themselves.

The program requires a color monitor, an Echo II speech synthesizer (Street Electronics), and a PowerPad (Dunamis, Inc.)

Product Name: Type to Learn

Vendor: Sunburst Communications

Computer: Apple II family

Manual Form: Printed Manual

Cost: $75.00

Type to Learn is a program to teach keyboarding skills. Type to Learn incorporates a number of features for teachers who are working with students with disabilities. These include: setting vocabulary level, adjusting speed and accuracy goals, and displaying letters on the screen in regular or large print. Parts of the program are: "Learn New Keys," "Games" (drills for keys learned), "Speed Up" (speed-building exercises), "Scratch Pad" (one-page word processor), and a teacher management system (for controlling options and keeping records). Generally, when a mistake is made, the student is shown how to correct it and there is no penalty. The games and text in Type to Learn have been planned to appeal to all ages, so that the program can be used with older students. A Textbook and a Gradebook Disk are available.

Product Name: VISPA

Vendor: DEKRO, Inc.

Computer: IBM PC family

Manual Form: Printed Manual

Cost: $3,000.00

VISPA is cognitive rehabilitation software designed specifically for visuospatial deficits. The program currently consists of nine exercises: Scanning, Visual Matching, Completing Lines, Completing Figures, Construction Praxis, Error Detection, Cancellation, Park a Car, and Drive a Car. Each exercise emphasizes several skills, and some skills are covered in more than one exercise. The VISPA program reacts to the user's responses, increasing the difficulty when the user improves performance and switching to the next exercise when the user has reached a peak of proficiency. The program employs colored animated graphics and immediate, consistent and positive feedback to the user. All exercises are controlled with a light pen or mouse rather than the standard keyboard.

Instruction manuals are printed in large print on laminated paper. A newsletter is published covering details and developments of the VISPA program.

Product Name: Voice Activated Graphics
Vendor: Lehigh Valley Easter Seal Society
Computer: Apple II family
Manual Form:
Cost: See below

Voice Activated Graphics is a program that generates graphics on the computer screen as long as speech or vocalization is present. The computer is interfaced with a tape recorder and microphone. When speech or any vocalization is made into the microphone, the graphic moves. When vocalization stops, the graphic stops. A choice of graphics is offered.

The package includes two program disks and directions for connecting the tape recorder to the computer. To obtain the software, send two blank disks and two dollars.

Product Name: Wheels On The Bus
Vendor: UCLA/LAUSD Microcomputer Team
Computer: Apple IIe
Manual Form: Printed Manual
Cost: $15.00

Wheels on the Bus is a program that sings a song and shows animated pictures to go with it. A five-square overlay is placed on the PowerPad expanded keyboard (Dunamis, Inc.). Each overlay has a picture pertaining to a verse of the popular preschool song. When a square is touched, it activates the verse indicated by that picture. The song is sung by a speech synthesizer. Target skills include turn-taking, sharing, beginning sequencing, socialization in a small group, and picture recognition. The instructor must insert the disk and start the program; after that the students can play independently.

Wheels on the Bus requires a color monitor and a PowerPad.

Product Name: Wordplay with Alps and Droops

Vendor: Optimal-Ed Learning Materials

Computer: Apple II family

Manual Form: Electronic Manual,
Printed Manual

Cost: $75.95

Wordplay with Alps and Droops is an educational program in game format, designed to teach basic reading and spelling skills to dyslexic students. The student becomes a Wordseeker in Wordland, aided by Alps and thwarted by Droops. The games concentrate on three different skill areas: Reading Comprehension, Phonic Analysis, and Spelling. Seventeen different levels of play are possible, each concentrating on a different group of phonic patterns. These levels are arranged in developmental learning order. One to four players can play at a time.

Product Name: Worm Squirm

Vendor: UCLA/LAUSD Microcomputer Team

Computer: Apple IIe

Manual Form: Printed Manual

Cost: $15.00

Worm Squirm is a program designed to help develop fine motor skills, spatial relationships and directional concepts. The student tries to direct a worm through a path on the computer screen. The worm can be directed using the cursor keys on the standard keyboard, or by pressing four large areas on the PowerPad expanded keyboard (from Dunamis, Inc.). If using the PowerPad, an overlay with four positions is provided.

A color monitor is required to operate Worm Squirm. A PowerPad is optional.

Chapter 21

Recreation Software

This chapter includes programs whose primary function is to provide recreation. If a program has a game format, but the primary function is education and training, it will be listed in Chapter 20, but it will also be cross-listed in Index 1, under the function codes "Recreation" (RE) or "Games" (GA).

Other related functions listed in Index 1 include Drawing (DR), and Education, Training and Therapy (ET).

Appendix A includes and information summaries on "Software Resources" and "Adaptive Toys and Toy Modifications."

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The following product entries appear in this chapter:

Electric Crayon *4-199*

The following product entries appear in the corresponding chapter in Book 3:

Blazing Paddles *3-299*
Creativity Tool Box *3-299*
Dot & Draw *3-300*
H:1 Handicapped Word Games *3-300*
Magic Music Teacher *3-301*
Motor Training Games *3-301*
PIC Man *3-302*
Picture Perfect *3-302*
Single Switch Game Library *3-303*

The following products from other chapters can also be used for Recreation:

Audio Braille Game Tutorial *3-191*
Equalizer *1-64*
Gibson Light Pen System *3-62*
Graphics Magician Jr. *3-319*
Graphics Magician Painter *3-319*
H:2 Handicapped Arithmetic Flash Cards *3-224*
Hand/Eye Coordination Programs *3-225*
Leo's 'Lectric Paintbrush *3-324*
Lite Touch *3-38*
Living Center III *1-69*
Maze *3-243*
MicroIllustrator *3-328*
Mind Master *3-39*
Morse Code & Scanning Practice Programs *3-247*
Phonics, Text, and Graphics *3-252*
Picture Perfect *3-302*
PowerPad *3-64*
Race the Clock *3-260*
Super Shape Draw & Animate *3-337*
Talking Wheelchair *3-340*
Touch Window *3-65*
ToyPAC *1-33*
Ways to Play *3-293*

Product Name: Electric Crayon

Vendor: Polarware

Computer: Apple IIc, Apple IIe, Commodore 64, IBM PC family

Manual Form: Printed Manual

Cost: $14.95

Electric Crayon is a program that provides line drawings on the computer screen which can be colored. The program can be controlled by the keyboard, a joystick or a mouse. The user directs a crayon-shaped pointer to a set of colors on the screen. The desired color is selected, and the "crayon" turns to that color. The user than moves to the line drawing on the screen, directs the "crayon" to the desired area, and presses a button or key. That area of the drawing changes to the appropriate color. Finished pictures can be printed on a color Apple Imagewriter II, or the line drawings can be printed on a black-and-white printer and colored by hand. Any drawing can be printed with any month's calendar.

The eight titles currently available are: ABCs, Fun on the Farm, and This Land is Your Land, Holidays and Seasons, Dinosaurs are forever, and three "Sesame Street Crayon" titles. Each title is $14.95.

Chapter 22

Personal Tool or Aid Software

This chapter contains software programs that are designed to be used on a long term basis by an individual as a personal tool or prosthesis. This includes programs which facilitate an individual's ability to communicate, write, draw, control, and move about. Programs whose primary function is to facilitate the development of writing or conversation skills are in the Education, Training and Therapy chapter (Chapter 20). Software designed to provide disabled computer users with access to other software is included in Chapters 10, 11, and 14. Some examples of programs found in this chapter are: word processing programs with large print, software for environmental control, drawing programs utilizing special input devices, software for communication or conversing by synthesized speech, and braille translation and formatting programs.

Many of the programs in this chapter are also cross-listed by function in Index 1. Related functions include: Conversation/Interaction (CI), Braille (BR), Word Processing (WP), Environmental Control (EC), and others.

Appendix A contains information summaries on a variety of topics, including: Software Resources; Networks, Bulletin Boards and Databases; Newsletters and Publications; and more.

Chapter 22: Personal Tool or Aid Software

The following product entries appear in this chapter:

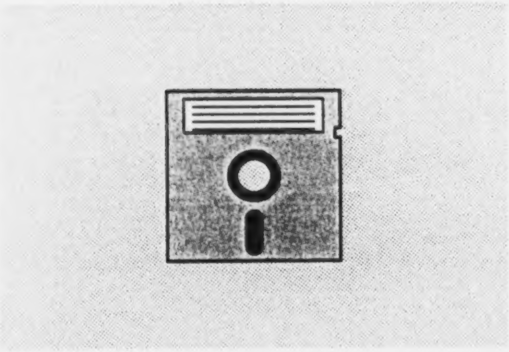
Abbreviation/Expansion *4-203*
AppleWorks Companion *4-203*
Audible Cursor Routine *4-204*
Braille Font for MousePaint *4-204*
Communication Programs *4-205*
Computer Aids for the Blind (21 programs) *4-205*
Computer Aids for the Non-Verbal (31 programs) *4-206*
Dynaread *4-206*
E Z Talker *4-207*
Electronic Talk Board *4-207*
Environmental Control Program *4-208*
Freedom Writer *4-208*
IBM Augmented Phone Services *4-209*
Large Font Programmer *4-209*
Low Vision Editor (LVE) *4-210*
Megaword *4-210*
MindReader *4-211*
PC/TDDA Software *4-211*
Presenter's Aid *4-212*
Quick Textfile Converter (QTC) *4-212*
Short Wave Computer Interface Unit *4-213*
SoftVoice *4-213*
Stat Talk *4-214*
Talker Communication Program *4-214*
TranscriBEX *4-215*
Transcription Station *4-215*
UNI-PTC TDD *4-216*
Verbal Windows *4-216*
Wordease *4-217*

The following product entries appear in the corresponding chapter in Book 3:

AARON *3-307*
Appliance Genie *3-307*
Audio Scan *3-308*
Automatic Form Writer *3-308*
BEX *3-309*
Blissymbolics: Bliss Library *3-309*
Blissymbolics: Blissboard *3-310*
Braille Translation Software *3-310*
Braille-Talk *3-311*
Cacti Word Processor *3-311*
Calc-Talk *3-312*
CHPI Apple Tool Kit *3-312*
Classy Letterheads - Speak! *3-313*
Comm-Prog *3-313*
Communicator *3-314*
CommuniTree - First and Second Editions *3-314*
Computerized Enabling System *3-315*
Control Without Keyboards *3-315*
Duxbury Braille Translator *3-316*
E-Z Pilot II Authoring System and Training Package *3-316*
Easy Programmer *3-317*
Electronic 31 Day Calendar *3-317*
Fast Access Scan Talker *3-318*
File-Talk *3-318*
Graphics Magician Jr. *3-319*
Graphics Magician Painter *3-319*
Handi-Writer Version 3.51 *3-320*
Hot Dots *3-320*
Illustrations *3-321*
Joywriter *3-322*
Kid Talk *3-322*
Large Print Word Processor *3-323*
Large Type *3-323*
Leo's 'Lectric Paintbrush *3-324*
Lister Talker *3-324*
LoVE *3-325*
Mac-Apple Communication Aid *3-325*
Magic Cymbals *3-326*
Magnicomp *3-326*
Message Maker *3-327*
Micro Braille *3-327*
MicroIllustrator *3-328*
Morser *3-328*
Multi-Scan *3-329*
MultiScribe *3-329*
Peachy Writer Bold *3-330*
Personal Money Management *3-330*
Picture Communication *3-331*
Prompt-Writer *3-331*
ProWORDS *3-332*
Quick Talk *3-332*
Rapsheet *3-333*
RIC Easy Talker *3-333*
Say It *3-334*
Sentence-Scan *3-334*
Speak Up *3-335*
Speak-A-Label *3-335*
Speech Writer *3-336*
Super Cranmer Graphics Package *3-336*
Super Shape Draw & Animate *3-337*
Talk II *3-337*
Talker *3-338*
Talking Aid *3-338*
Talking BlissApple *3-339*
Talking Sensible Speller *3-339*
Talking Transcend II *3-340*
Talking Wheelchair *3-340*
Talking Word Board *3-341*
Talking Writer & Four Games *3-341*
Tally-Talk *3-342*
Tele-Talk *3-342*
Textalk *3-343*
Textwriter 2.0 *3-343*
Touch & Speak *3-344*
TRAX PAX Talking Checkbook *3-344*
TRAX PAX Talking File Box *3-345*
Type & Speak *3-345*
Ultimate Banker *3-346*
Ultimate File Cabinet *3-346*
VERBal STAR *3-347*
VIC-20 Scanner *3-347*
Word Communication *3-348*
Word-Talk *3-348*
X-10 Powerhouse Computer Interface *3-349*

The following products from other chapters can also be used as a Personal Tool or Aid:

Gibson Light Pen System *3-62*
Governor *3-135*
Keynote *3-88*
Magic Slate *3-239*
Response Optimizer *3-140*
VersaBraille *3-111*
Viewscan Text System *3-100*



Product Name: Abbreviation/Expansion

Vendor: Zygo Industries, Inc.

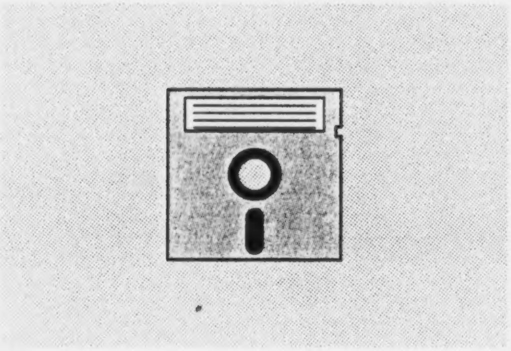
Computer: Apple IIe

Manual Form: Printed Manual

Cost: $75.00

Abbreviation/Expansion is a program that allows the user to define particular abbreviations to trigger longer strings of characters. A list of the stored abbreviations and their expansions can be recalled for review and editing. Abbreviation/Expansion functions as a text editor (very simple word processor) in its own right. Utilities provided with the program allow text created within it to be transferred to some other programs.

Abbreviation/Expansion will not work within other programs, but functions on its own as a very simple word processor. An extended 80-column card for the Apple IIe is required to use the program.



Product Name: AppleWorks Companion

Vendor: RC Systems, Inc.

Computer: Apple IIe, Apple IIgs

Manual Form: Printed Manual

Cost: $39.00

AppleWorks Companion is a utility program that adds speech output and screen review to AppleWorks programs. The user types in text or data in the usual fashion but the Companion routes the output to the Slotbuster speech synthesizer (extra). The user can review different sections of text (letters, lines, paragraphs) using the commands programmed into the Companion. The user can hear whatever information goes to the computer screen. The Companion provides built-in macros: commands that can be entered in abbreviated form. A set of macros is provided, plus the user can create some custom macros.

AppleWorks Companion requires the Slotbuster II multifunction card with built-in speech synthesizer (RC Systems; purchased separately). The Companion works with AppleWorks 2.0, does not use any of Appleworks' "desktop space," and is compatible with most memory expansion cards.

Product Name: Audible Cursor Routine

Vendor: Favin, David

Computer: TI 99/4A

Manual Form: Printed Manual

Cost: Free

Audible Cursor Routine is a program for communication which employs auditory scanning. The user is presented with a selection of words or phrases spoken by a speech synthesizer and transmitted to the user via earphone. The user activates a switch when the program reaches the desired item. Once a selection is made, it automatically causes a sentence or preassigned speech to be spoken by a loudspeaker.

Audible Cursor Routine requires a Votrax Type-'N-Talk or Personal Speech System speech synthesizer. This program was developed through the Telephone Pioneers of America, and is free to anyone interested.

Product Name: Braille Font for MousePaint

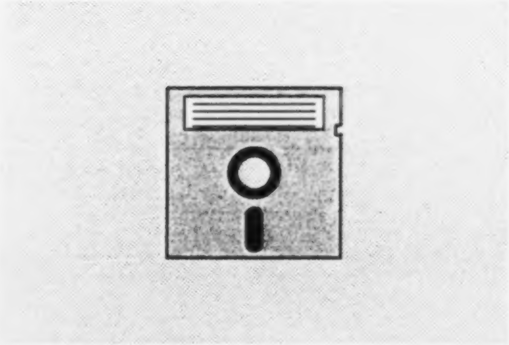
Vendor: Lorin Software

Computer: Apple II family

Manual Form: Printed Manual

Cost: $50.00

Braille Font for MousePaint is a program for adding braille labels to pictures created with MousePaint. The user must already own a copy of MousePaint to use this font. Braille labels are added to pictures by typing label text on the keyboard. Labels become a part of the picture and don't have to be added as a second step.



Product Name: Communication Programs

Vendor: Favin, David

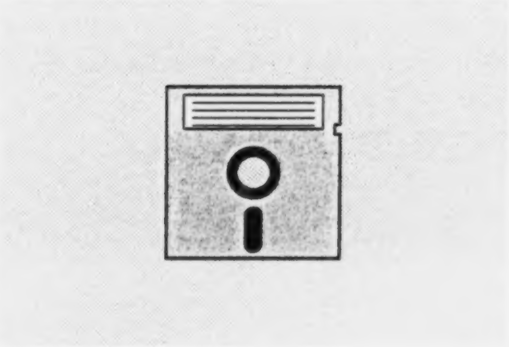
Computer: TI 99/4A

Manual Form: Printed Manual

Cost: Free

These Communication Programs are designed to provide synthesized voice communication. There are two programs. The first is designed primarily for telephone communication. The user types messages on the computer keyboard and the synthesizer speaks them. The second program uses single switch scanning. Words are presented to user in the form of a system of menus. A cursor moves through the choices and the user activates a switch when the cursor reaches the desired word. In this way the words can be selected to form sentences. The sentences can be spoken by the speech synthesizer or printed on a printer. The word menus can also contain environmental control commands.

A Votrax speech synthesizer (Type-'N-Talk or Personal Speech System) is required for voice output. Contact the manufacturer for information on adapting the second program for environmental control. These programs were developed through the Telephone Pioneers of America, and are free to anyone interested.



Product Name: Computer Aids for the Blind (21 programs)

Vendor: Computer Foundation for Handicapped Children

Computer: Commodore 64

Manual Form: Audiotape Manual, Electronic Manual

Cost: $3.00

Computer Aids for the Blind is a set of 21 programs designed for blind and deaf-blind computer users. The programs have a variety of functions. Some provide synthesized voice output of words typed on the keyboard. Some of the programs allow spoken messages to be composed using a single switch, either by typing in Morse code or by selecting words or phrases from short lists read aloud by the synthesizer. Simple communication programs are also available: the user can trigger a tone or select a spoken "yes" or "no" with switches. There is also a voice-output word processor and a talking terminal program. There are also programs for tactile communication: the user can read text by feeling Morse code signals.

The Software Automatic Mouth (SAM) speech synthesizer is required for those programs with voice output. All programs are available on one disk. Write to Don Peterson at Computer Foundation for Handicapped Children for a complete list, and for information on other special devices, such as switches and the tactile Morse code device.

Product Name: Computer Aids for the Non-Verbal (31 programs)

Vendor: Computer Foundation for Handicapped Children

Computer: Commodore 64

Manual Form: Electronic Manual

Cost: $3.00

Computer Aids for the Non-Verbal is a set of 31 programs, some with speech output, which are designed for users who are non-vocal or who have trouble operating the keyboard. The programs have a variety of functions. Some are for communication, allowing the user to compose and speak messages by typing on the keyboard or by single-switch scanning. Some are designed to teach simple skills such as arithmetic. Others are simple YES/NO programs operated with a switch. There are also programs for telephone communication by speech synthesizer. A keyboard one-finger word processing program is included. There are joystick and light pen operated programs for communication, writing, BASIC programming, and drawing.

The programs that have speech require the Software Automatic Mouth (SAM) speech synthesizer. All programs are available separately. Write to Don Peterson at Computer Foundation for Handicapped Children for a complete list.

Product Name: Dynaread

Vendor: Computers to Help People, Inc.

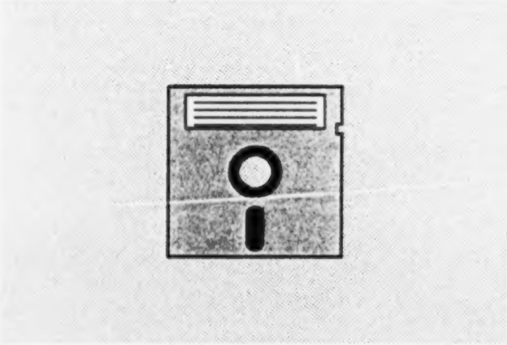
Computer: IBM PC family

Manual Form: Electronic Manual

Cost: $50.00

Dynaread is a studying and notetaking program designed for print-handicapped computer users. The program is designed to work with special output devices. Right now the two output devices supported are a regular monochrome monitor and the Telebraille electronic braille device (from Telesensory Systems, Inc.). Dynaread allows the user to compose text, make "marginal notes," review the text, search for key words, and ask to have reference material read along with the text. A conversion feature is provided for transferring files from various word processing programs. A spelling checker and proofreader are provided as well. All documentation is included on disk.

A TeleBraille is required for braille output. A large-character monitor can be used for large print output. A version with speech output is currently under development.



Product Name: E Z Talker

Vendor: Words+, Inc.

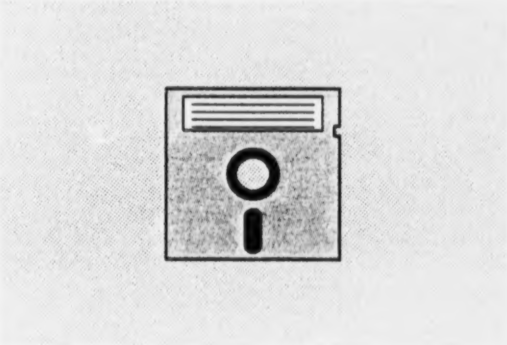
Computer: IBM PC family

Manual Form: Printed Manual

Cost: $1,195.00

E Z Talker is a communication program designed for accelerated typing rates. The user types messages on the computer keyboard which can then be spoken (via speech synthesizer) or printed. The program offers several options that can speed up the user's typing rate for creating messages. First there is a predictive option. When the user types the first letter of a word, the program presents the ten most common words beginning with that letter. The user can either select one of those choices or continue typing the word. After the second letter another similar table appears. The second feature is abbreviation expansion: the user types a short set of characters, and this triggers a longer set of characters. Abbreviations can be up to 16 characters; expansions up to 100. A total of 150 abbreviations can be stored. The third feature is "Instant Speech" keys, which produce spoken words immediately when pressed. Up to 40 such keys can be programmed. The program automatically capitalizes and adds certain suffixes.

E Z Talker is available with the Smoothtalker speech synthesizer (First Byte), for IBM-PC's and compatible laptops.



Product Name: Electronic Talk Board

Vendor: Favin, David

Computer: TI 99/4A

Manual Form: Printed Manual

Cost: Free

Electronic Talk Board is a keyboard with 16 large membrane type keys. It is used with a software program for communication. The user presses one of the keys and a particular word or phrase is spoken. The keyboard is a set of 16 switches covered by a flexible plastic sheet. The vocabulary in the program is arranged in a system of levels: each key has a different definition depending upon what level is selected. Each level has a different theme (hygiene, food, etc.). Different picture overlays can be made for each level. The level is selected by pressing a number on the keyboard.

A Votrax speech synthesizer (Type-'N-Talk or Personal Speech System) is required to operate the Electronic Talk Board. This product was developed through the Telephone Pioneers of America, and is free to anyone interested.

Product Name: Environmental Control Program

Vendor: Communication Enhancement Clinic

Computer: Apple II family

Manual Form:

Cost: Contact manufacturer

Environmental Control Program is software that provides control of electrical appliances, such as lights, radio, or television. The user can control the program with a variety of input devices, and the program in turn controls the appliances via a special interface.

Contact the manufacturer for more information about the system's requirements and capabilities.

Product Name: Freedom Writer

Vendor: World Communications

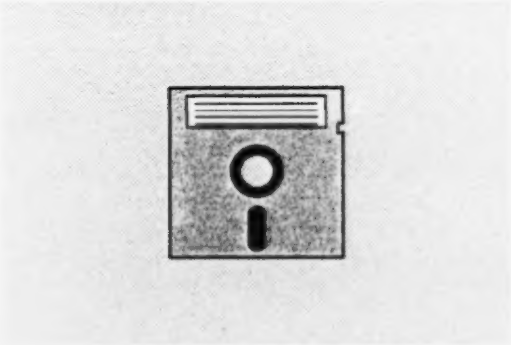
Computer: IBM PC family

Manual Form: Printed Manual

Cost: $225.00

Freedom Writer is a word processing program that can be operated with input devices other than the standard keyboard. Three versions are available: a mouse version, a cursor keys version, and a light pen version. All three versions present an image of a keyboard on part of the computer screen. The mouse and cursor key versions present a pointer on the screen. The user moves the pointer to the desired "key" on the screen and pushes the mouse button or a key on the cursor keypad in order to activate that "key." In the light pen version, the user directs a light pen at the desired "key" on the screen in order to activate it. Whatever the user "types" on the screen keyboard appears on the rest of the screen as text. The user can edit, delete and move text, and check spelling against either of two dictionaries: one provided and one that the user creates containing custom vocabulary. Text can be printed on a compatible printer.

The price listed is for a single version of Freedom Writer, not including the input device.



Product Name: IBM Augmented Phone Services

Vendor: IBM Entry System Division

Computer: IBM PC family

Manual Form:

Cost: Contact manufacturer

IBM Augmented Phone Services is a software package that works in conjunction with the Voice Communications Option for the IBM-PC to expand the user's control over telephone communication. The user can type a message on the computer keyboard and the system will send it out over the phone line as synthesized speech. An 8,500 word vocabulary is provided, and can be expanded upon. Callers can send messages to the system by typing on the buttons of a touch-tone phone. Letters of the alphabet are keyed in by pressing combinations of buttons, and the message appears on the Augmented Phone Service user's computer screen. The system can be programmed as an answering machine, sending a synthesized voice message and recording touch-tone keyed responses. The system can also be used to store a personal phone directory and to dial phone numbers.

The Voice Communications Option from IBM, with the appropriate telephone connections, is required in order to use the IBM Augmented Phone Services.

Product Name: Large Font Programmer

Vendor: Hennepin Technical Centers

Computer: Apple II family

Manual Form: Printed Manual

Cost: $35.00

Large Font Programmer is a utility program for writing Applesoft BASIC programs in large print. The Large Font Programmer is loaded before the user begins programming. The user is offered the choice of having characters displayed on the screen in regular or tall (double high, not double wide) size. Until the user exits from Applesoft BASIC, all program code written will appear on the screen in the chosen font.

Contact the manufacturer for more information on how this program can be used.

Product Name: Low Vision Editor (LVE)

Vendor: Ady, Donald

Computer: TRS-80 Model I, TRS-80 Model III, TRS-80 Model IV

Manual Form: Electronic Manual

Cost: $20.00

Low Vision Editor (LVE) is a word processing program that provides large-print characters on the computer screen. The user can select from 4 different magnification sizes by typing a short command. The four magnification sizes are: 5 lines of 16 letters each, 5 lines of 12 letters each, 4 lines of 12 letters each, and 3 lines of 9 letters each. The cursor remains stationary as the the user types. Text can be scrolled either horizontally or vertically. Text can be scrolled manually or automatically. The cursor can be moved through the text one word at a time or one letter at a time. When inserting or deleting text, the cursor is displayed in reverse video. Specific text can be automatically searched for.

LVE has much of its documentation on the program disk, including "Help" files. The program comes with a sheet of start-up instructions, cue cards, and tutorial exercises in regular size print.

Product Name: Megaword

Vendor: Regenesis Development Corporation

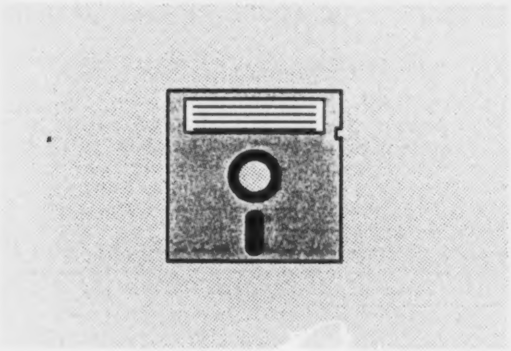
Computer: Apple IIe, Apple IIgs

Manual Form: Electronic Manual, Printed Manual

Cost: $70.00

Megaword is a large-print word processor for the Apple IIe. Besides common word processing features such as adding, editing, deleting and moving text, Megaword presents all characters four times their normal size on the computer screen. Text can also be printed out in large size. Megaword also features file merging and splitting, plus search and replace capabilities. Commands involve just one keystroke.

A built-in help manual and on-disk tutorial are provided, also in large print.



Product Name: MindReader

Vendor: Businessoft, Inc.

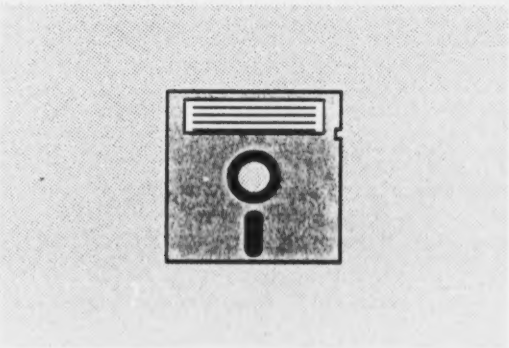
Computer: IBM PC family

Manual Form: Printed Manual

Cost: $65.00

MindReader is a word processing program that uses predictive formulas to speed up typing. When the user types the initial letters of a word, the program presents a box on the screen containing the most likely completions of the word. The user can select one of the choices in the box with a single keystroke, or go on typing the word if the desired one does not appear. Other word processing features included with the program are: searching for text, inserting and deleting text, atomatic capitalization and spacing between sentences, a grammar assistance feature and a spelling checker. A calendar, calculator, telephone directory, and 60-day scheduler are also part of the program.

MindReader's dictionary of possible words is based primarily upon the lexicon of business writing, but it is possible to tailor the dictionary to one's own vocabulary. The program also monitors the words the user most commonly writes and gives these priority in the predictive routine.



Product Name: PC/TDDA Software

Vendor: Phone TTY, Inc.

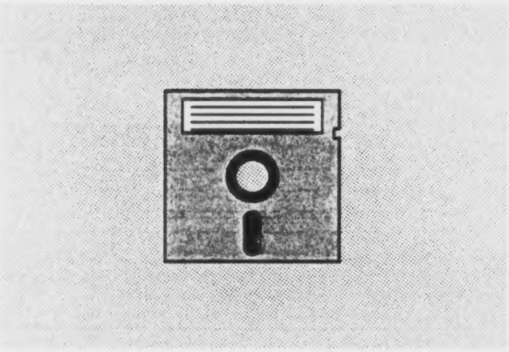
Computer: IBM PC family

Manual Form: Printed Manual

Cost: $349.00

PC/TDDA Software is a program that allows a computer to serve as a TDD (Telecommunication Device for the Deaf), communicating with either standard TDDs or other computers. PC/TDDA Software works with the Phone-TTY CM-4 Computer Modem, which can send or receive messages in either ASCII (computer) or Baudot (TDD) code. The system is compatible with both US and International modes of TDD communication, and with ASCII communication at 110 or 300 baud. The CM-4 Modem automatically detects the code of the incoming call, and responds in the appropriate mode. PC/TDDA Software provides a number of special options as well, including: a 100-number programmable telephone directory, one-button dialing of pre-stored numbers, automatic answering of incoming TDD or ASCII calls, and remote retrieval and erasing of messages. Messages can be recorded with date and time, and can be printed as well. A signal appears on the computer screen to indicate an incoming call.

PC/TDDA Software is designed to be compatible with PC-DOS. The Phone-TTY CM-4 Computer Modem is required; the price listed is for both the modem and the software.



Product Name: Presenter's Aid

Vendor: Stokes Publishing Company

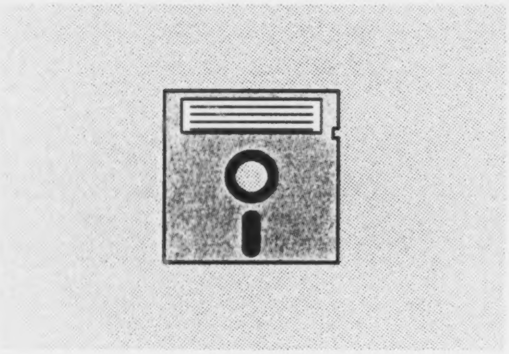
Computer: Apple II family

Manual Form: Printed Manual

Cost: $39.95

Presenter's Aid is a program that can present text (including lessons and tests) in large type on a computer screen. The program provides the user with the necessary software tools to create custom presentation materials with large print. Letters can be made to be visible from 15 to 25 feet away. The user can also create tests with various formats: true/false, multiple choice, fill-in-the-blank, same/different, or sentence completion. With the right accessory software and hardware, screen content can be printed as well. An unlimited number of lesson disks can be created.

Any Apple II computer can be used to display lessons, but an Apple IIe or IIc is required to compose lessons. A large monitor is preferrable, but the program will display large characters on a standard size monitor.



Product Name: Quick Textfile Converter (QTC)

Vendor: Raised Dot Computing

Computer: Apple II family

Manual Form: Electronic Manual

Cost: $15.00

Quick Textfile Converter (QTC) is a program that translates text files from the braille word processing program BEX into the ProDOS operating system. QTC performs three functions. The program copies DOS 3.3 text files to ProDOS textfiles, creates a ProDOS text file "image" copy of BEX chapters, and formats ProDOS disks. Choices are made from a single main menu. An entire disk of files can be converted at once, or the user can convert selected files only. The file names can be converted automatically, or the user can specify new file names. When QTC copies BEX chapters to ProDOS text files, every character in the file is copied verbatim: format commands are not executed.

Documentation for QTC is provided on the disk, in the form of "help" screens designed to apply to that part of the program the user is working on when help is requested. The disk supports voice output with the Echo or Cricket synthesizers. QTC is being made available as "shareware": the user may copy the program from someone else who has it; if satisfied the user may purchase the program for $15.00 from Raised Dot Computing.

Product Name: Short Wave Computer Interface Unit

Vendor: Kenwood USA

Computer: All (Hardware Independent)

Manual Form:

Cost: Contact manufacturer

Short Wave Computer Interface Unit is a hardware interface package that allows a short wave radio to be controlled using a personal computer. The user can control and monitor a variety of functions pertinent to the radio's operation, including tuning, switching of transmitting and receiving, and announcing via speech synthesizer unit (optional). Possible applications include displaying transceiver parameters, remote control, automatic logging, BAND analyzer, and BCL map. Applicable program software for desired functions must created by the user. The system connects to the computer via an RS-232C serial port.

The complete system consists of three parts: a "Computer Interface" (IF-10A/10B), an "IC Kit" (IC-10), and a "Level Translator" (IF-232C). The interface system will work with Kenwood short wave radio models TS-940S, TS-440S, TS-711A/E, and TS-811A/B/E.

Product Name: SoftVoice

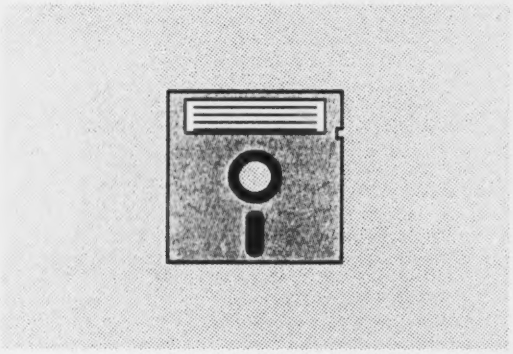
Vendor: Safko International, Inc.

Computer: Apple IIe, Apple IIgs

Manual Form: Electronic Manual, Printed Manual

Cost: $3,995.00

SoftVoice is a system for controlling electrical appliances (lights, television, etc.) using voice input to a computer. The SoftVoice software program accepts spoken commands from the user (which room, which appliance, on or off) and controls the appliances accordingly. Appliances are controlled remotely using X-10 modules, which do not require any special wiring. SoftVoice can also be used to dial and answer the telephone. Several "Mind Exercise" games come with the software, including Chinese Checkers, Othello, Football, Hockey, and Adventure. A microphone with FM transmitter is also available, eliminating the need for any wire connecting the user to the computer.



Product Name: Stat Talk

Vendor: Stat Talk Computer Products

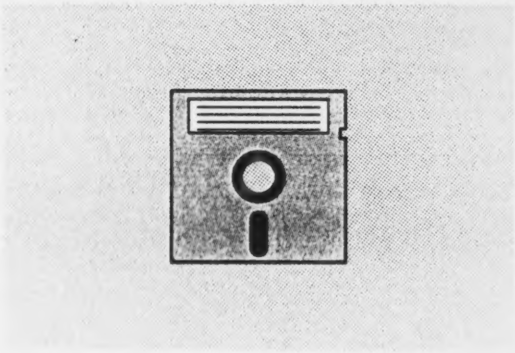
Computer: Apple II family

Manual Form: Audiotape Manual, Electronic Manual, Printed Manual

Cost: $225.00

Stat Talk is a statistics program with voice output. The program is designed to be used by someone who cannot see the computer screen: all information is available through synthesized voice. The program is ready to talk as soon as it is loaded. The user can enter statistics in table form (rows and columns). Stat Talk can handle up to 272 rows and 57 columns in a single table. The program verbally prompts the user about the position on the screen, for instance saying "Row 2, Column 3." Once data has been entered in the table, various statistical operations can be performed on the data, including: mean, standard deviation, variance, range and other basic statistics; "t" tests, correlations, chi square tests, analysis of variance, multiple regression, nonparametric statistics, and more. Data tables can be saved as standard Apple text files. The user can print data as it is put in. Selected parts or all of a saved data table can also be printed. Documentation discusses converting the file for output options such as braille and large print.

An Echo speech synthesizer is required to use Stat Talk.



Product Name: Talker Communication Program

Vendor: Psychological Software Services, Inc.

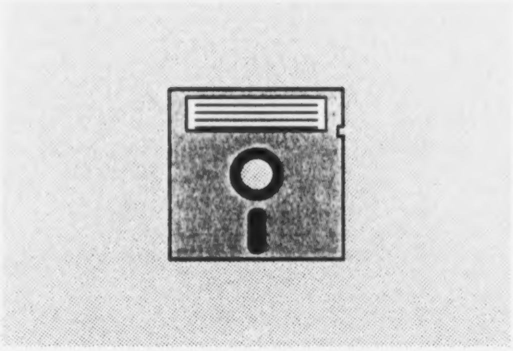
Computer: Apple II+, Apple IIe, Atari, IBM PC family, IBM PC jr

Manual Form: Printed Manual

Cost: $30.00 - $35.00

Talker Communication Program is a program that presents letters, numbers and phrases that the user can select (by scanning) to compose phrases or sentences. Each letter, number, or word is highlighted in sequence, and when the desired choice is reached the user activates a switch. The choice then appears at the bottom of the screen. When the message at the bottom of the screen gets too long for the screen, the beginning of it scrolls off. The alphabet and groups of vocabulary appear on the screen separately, and the user can move from one set of choices to another.

The Apple and Atari versions of Talker are $30.00; the IBM version is $35.00. Contact the manufacturer for information on connecting switches to the computer.



Product Name: TranscriBEX

Vendor: Raised Dot Computing

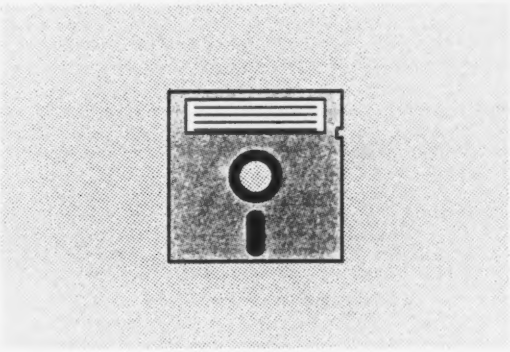
Computer: Apple II family

Manual Form: Audiotape Manual, Braille/Tactile Manual, Printed Manual

Cost: $500.00

TranscriBEX is a word processing program for Apple II computers which also performs grade II (contracted) braille translation and formatting. TranscriBEX includes a text editor (for both print and braille data entry), print and braille formatters, and a translator from print into grade I or grade II braille. Step-by-step tutorials provide background information on computer use and braille transcription. Braille formats include: automatic braille page numbering; textbook format prose with print page indicators; literary format prose; running heads; poems and plays (with optional line numbers); foreign languages represented in grade I braille; and tables and other material in columns.

TranscriBEX methods conform to the rules of "English Braille - American Edition" and "Code of Braille Textbook Formats and Techniques." TranscriBEX directly reads DOS 3.3 and ProDOS textfiles, permitting text entry with a majority of Apple word processors. TranscriBEX can also import text from other computers or optical scanners through direct serial connection. Ask manufacturer about supported printers.



Product Name: Transcription Station

Vendor: Enabling Technologies Company

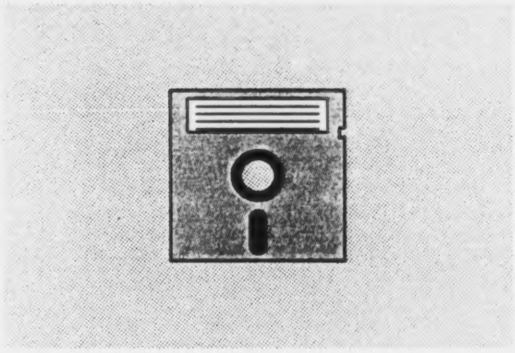
Computer: IBM PC family

Manual Form:

Cost: $1,250.00 - $2,995.00

Personal Transcription Station is a complete hardware and software system designed for braille transcription. The system consists of a personal computer, a special modified keyboard, and special braille transcription software. The special keyboard is substituted for the standard keyboard. It contains the standard keys, plus a braille keyboard and 16 special function keys for braille editing. The software, Braille Transcription Editor, displays text on the screen as either alphabetic characters or braille dots. The user can edit in either format. The program can produce Grade I, Grade II, or computer braille, or a mixture of each on a page. Maximum line length is 40 braille characters, with a maximum of 50 lines to a page.

Personal Transcription Station is compatible with most braille embossers. The system can be added to the user's existing IBM-PC if the PC is equipped with a CGA or EGA graphics card. This option costs $1,250.00. A complete system including PC costs $2,995.00



Product Name: UNI-PTC TDD

Vendor: Integrated Microcomputer Systems, Inc.

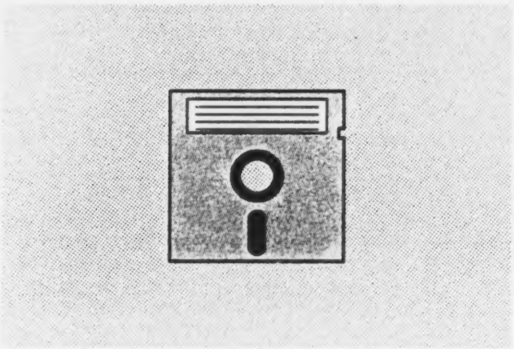
Computer: IBM PC family

Manual Form: Printed Manual

Cost: $499.00 - $1,699.00

UNI-PTC TDD is an internal circuit card and software package that allows the user to communicate via modem with either another microcomputer or a TDD (telecommunication device for the deaf). Since most TDDs communicate in Baudot code rather than the computer standard ASCII code, regular ASCII modems are not compatible with many TDDs. The UNI-PTC TDD system detects whether an incoming call is in ASCII or Baudot code, and responds accordingly. The UNI-PTC TDD system also provides software for TDD and ASCII modem communication, allowing the user to dial out, receive calls, monitor outgoing call status (busy, ringing, etc.), and automatically dial pre-stored numbers–all through the computer. The UNI-PTC TDD system will serve as a TDD answering machine, and provides "memo pad" and clock-calendar features. A flashing signal appears on the computer screen to indicate incoming calls, even if the user is running some other software on the computer when the call comes in.

The UNI-PTC TDD is available as a complete computer system ($1,494.00 - $1,694.00) or simply as a circuit card and software for an existing computer ($499.00).



Product Name: Verbal Windows

Vendor: Computer Conversations

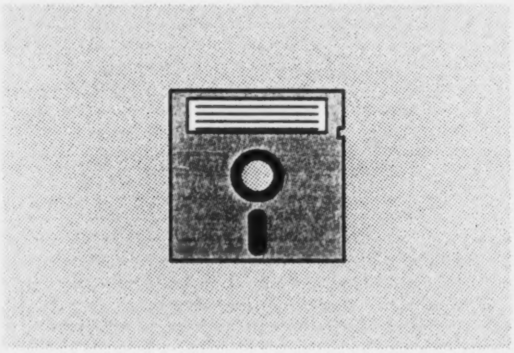
Computer: IBM PC family

Manual Form: Electronic Manual, Printed Manual

Cost: $10.00 - $49.95

Verbal Windows is a program for defining windows for voice output screen reading programs. The user can define up to 26 windows on the computer screen, and review only the contents of a particular window with the screen reading program. Switching from one window to another can be done with a single keystroke. Any section of the screen, however large or small, can be defined as a window. Windows can be saved and reloaded later.

Verbal Windows does not provide voice output itself, but is designed to be used with a voice output screen reading program. Verbal Windows is available for the Verbal Operating System screen reading program (also from Computer Conversations), no extra charge. It is also available separately, for use with other screen reading programs, for $49.95.



Product Name: Wordease

Vendor: Regenesis Development Corporation

Computer: Apple IIe, Apple IIgs

Manual Form: Electronic Manual

Cost: $55.00

Wordease is a word processing program similar to Megaword (see entry), but providing large print only via a printer, not on the computer screen. Word processing features include merging and splitting files, plus search and replace capabilities. Program commands can be issued with single keystrokes.

A complete tutorial in the use of the program is available on disk.

Appendix A

Additional Sources of Information

This appendix includes resource lists and sources of information about a variety of topics relevant to the application of technology in special education, rehabilitation and augmentative communication. The information provided is not evaluative and inclusion on any of the Information Summaries does not imply endorsement or recommendation. A listing of the Information Summary titles is provided on the next page. Some of the content and titles differ from Volumes 1 - 3 of the ResourceBook Series.

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Software Resources

This list provides additional suggestions about where to look for information on software for special education and rehabilitation. It contains two sections, one listing Software Directories and one listing Software Information Services. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Software Directories and Guides

Special Times
Free
COL
Dept. C
Cambridge Development Laboratory
P.O. Box 605
Newton Lower Falls, MA 02162
800/637-0047
Free catalog of software selected specifically for children with learning disabilities. Over 100 programs, by subject area.

The Educational Software Catalog
Computer Options
85 Market Street
Poughkeepsie, NY 12601
914/471-2765
100 pages; current educational software for Apple, IBM, and Commodore, by subject area; 500+ titles.

Public Domain Software on File, Apple II Series Collection
Facts on File Publications
460 Park Avenue South
New York, NY 10016
212/683-2244
Currently gathering and evaluating public domain software for IBM, Macintosh, and CP/M.

Software Directory of Free Educational Material and Special Education Software
$30.00
Education Associates
P.O. Box 35221
Phoenix, AZ 85069
602/234-1762

Catalogue: Special Access Catalogue
$5.00
Access Unlimited Speech Enterprises
P.O. Box 7986
Houston, TX 77270
713/461-1666
Over 45 speciality developers listed; 300+ software and periferals products mostly for the Apple.

Software Recommended for Special Populations
Dr. Eydie Sloane
FDLRS-South
9220 SW 52nd Terrace
Miami, FL 33165
305/274-3501
Alphabetically lists programs in major curriculum areas (language arts, math, social studies, science, career/vocational education, speech/language, survival/independent living skills, leisure activities, word processing/utilities, computer science/technology and recommends for (1) hearing impaired, vision impaired, motor impaired, mentally retarded or learning disabled and (2) ability/interest level - preschool, elementary, junior, senior and adult.

Family Guide to Educational Software
L.F. Garlinghouse, Inc.
34 Industrial Park Place
Middletown, CT 06457
203/632-0500

LAUSD/UCLA Microcomputer Team Handout
$2.00 donation requested
23-10 Rehabilitation Center
1000 Veteran Avenue
Los Angeles, CA 90024
(213) 825-4821
Lists hardware, software and books used by the LAUSD/UCLA Microcomputer Team. Software is categorized and has brief descriptions.

The Specialware Directory: A Guide to Software For Special Education
$22.50
The Oryx Press
2214 N. Central at Encanto
Suite 103
Phoenix, AZ 85044
602/254-6156
Comprehensive reference of programs from more than 100 companies. Programs are indexed by curriculum area (further divided into specific skill areas), exceptionality, hardware, use of special peripherals for input and output, level (early childhood, primary, intermediate jr. high, sr. high, adult basic education, professional). Programs for special education admin. are included (authoring systems, learner evaluation and assessment, records maintenance/general administration and management, teacher utilities).

Directory of Software Preview Centers
$10.00 (ICIA members; non-members $25.00)
International Communication Industries Association (ICIA)
3150 Spring Street
Fairfax, VA 22031-2399
703/273-7200

Software Reports: The Guide to Evaluated Educational Software
$39.95 (seasonal issue)
$149.50 (biweekly looseleaf update issues)
Trade Service Corporation
10996 Torreyana Road
San Diego, CA 92138
Nearly 1,800 program evaluations arranged under one of twenty different subject areas. Ratings are based on program: documentation, ease of use, content, instructional techniques, and educational usefulness.

Computer Equipment & Aids for the Blind and Visually Impaired
$24.50
Computer Center for the Visually Impaired
Baruch College
17 Lexington Avenue
Box 515
New York, NY 10010
Up-to-date directory containing more than 150 entries. Included are hardware and software suppliers, peripherals, researchers, training and demonstration centers.

The 1986 Educational Software Preview Guide
ICCE (International Council for Computers in Education)
University of Oregon
1787 Agate Street
Eugene, OR 97403-9905
503/686-4414
Lists over 400 titles of favorably reviewed software for K-12 classroom use by curriculum area.

Only the Best: The Discriminating Software Guide For Preschool-Grade 12
1986 edition
Education News Service (see Publications section)
P.O. Box 1789
Carmichael, CA 95609
916/483-6159
916/488-4623
An annual report by the editors of School Tech News. Descriptions of 168 new programs that received highest agreement of top quality from 22 evaluation services, and a listing of 54 runners-up programs and the 113 highest rated programs from 1985.

Technology in Curriculum (TIC) Project
Technology Unit
California Dept. of Education
721 Capitol Mall
Sacramento, CA 95814
916/324-1961
4 resource guides (math, lang. arts, science, history/social sci.) which explain how 100 video and 500 software program fit into the curriculum with specified learning objectives. 5-10 detailed lesson plans using programs for different grades in each subject area. Data related software (Apple II) merges information in the resource guides electronically. This is expected to be a model for other states; each public school in Calif. received a copy. A limited number are available for other educators.

Computer Use in Social Services
Network Software Clearinghouse
The Graduate School of Social Work
University of Denver
Denver, CO 80208-0274
303/871/2915
Software for use in human services.

Survey of Existing Courseware
Education Turnkey Systems, Inc.
256 N. Washington Street
Falls Church, VA 22046
703/536-2310

The Special Directory
LINC Resources
3857 North High Street
Columbus, OH 43214
614/263-2123
To order the directory contact 2214 N. Central, Encanto, Phoenix, AZ 85004.

Microgram
$40.00 (subscription)
Educational Products Information Exchange
P.O. Box 839
Water Mill, NY 11976
516/283-4922
October through June monthly publication of educational software and updated listings of select current software.

IBM Special Education Resources Guide to Adaptive Devices, Software, and Services for Special Education, Vocational Rehabilitation, and Employers
National Support Center for Persons with Disabilities
P.O. Box 2150
Atlanta, GA 30055
404/238-3206
800/426-2133

The Rehab/Education Resourcebook Series: Resourcebook 3, Software and Hardware
1986 (Update available Fall 1987)
Trace Research and Development Center
1500 Highland Avenue
S-151 Waisman
Madison, WI 53705
608/262-6966
A computer software and hardware listing with special emphasis on products which make computers more accessible to the physically disabled user. Includes a description of software in the following areas: Administration & Management, Assessment, Education, Training & Therapy; Recreation, and Personal Tool or Aid.
Curriculum Software Group
P.O. Box 189
Selma, OR 97538
503/597-2424
Software for special education.

Custom Software For Use in Rehabilitation Facilities
The Sheltered Workshop, Inc.
P.O. Box 1206
208 N. 4th Street
West Memphis, AR 72301
501/732-2750
Programs include: Individual Program Planning, Job/Client Matching, Piece Rate Payroll, Contribution Recording System, Leave Record, and Client Data Management.

Closing the Gap
P.O. Box 68
Henderson, MN 56044
612/248-3294
Bimonthly magazine. Information on the use of computers in special education and rehabilitation, including "Software Previews" column, user comments, articles, and suggestions.

Courseware for Special Education, ordering #50584
$15.00
School Book Branch
Alberta Education
12360 - 142 Street
Edmonton, Alberta, Canada T5N 1L2
403/427-2767
Available on diskette, usable with DB Master program.

CompuPlay Database
$5.00 printed
$10.00 disk (AppleWorks)
National Lekotek Center
2100 Ridge Avenue
Evanston, IL 60204
(312) 328-0001
Descriptions and reviews of software for children with disabilities, including: subject, content, age level, exceptionality, hardware, peripherals, description, comments, price, graphics, animation, and sound. Software reviewed by staff and National Lekotek Center.

Personal Computer Software
IBM National Support Center for Persons with Disabilities
P.O. Box 2150
Atlanta, GA 30055
404/238-3206
800/426-2133
Spread and accumulate information on computer access for the physically disabled.

Apple K-12 Curriculum Software Reference Guides
Apple Computer, Inc.
20525 Mariani Avenue
Cupertino, CA 95014
Or contact local sales representative
Directories of software for education for Apple Computers. Cross indexed by curriculum skills.

Special Education Software Review
Dea Pfeiffer (editor)
3807 Northwood Avenue
Peoria, IL 61614
309/685-8262

Closing the Gap
$21.00/year (U.S)
The Digest of Software Reviews: Education
3999 N. Chestnut Street
Suite 333
Fresno, CA 93726
209/431-8300
1000+ review extracts from 150 journals and magazines; monthly issues and circulation indexes by title, subject, publisher and computer (Ap, Ct, Com, IBM, DEC, TRS-80)

Educational Software
First Software Corporation
Available at computer dealers
A quarterly catalog of bestselling educational products for Apple, IBM and Commander 64 computers.

Software Reports: The Guide to Evaluated Educational Software
$39.95/seasonal issue
$149.50/biweekly looseleaf issues
Trade Service Corporation
10996 Torreyana Road
San Diego, CA 92138
Directory of educational software, including evaluative reviews done by a network of volunteer reviewers. Available as biweekly loose-leaf updates or collected seasonal editions.

The Educational Software Selector (TESS)
$49.95 (price of '84 edition)
Teachers College Press
P.O. Box 1540
Hagerstown, MD 21741
Directory of software for education. Provides descriptions, review sources, and information on required hardware.

MicroSIFT Quarterly Reports
Technology Program
Northwest Regional Educational Laboratory
One Main Place
101 SW Main Street
Portland, OR 97204
Reviews of microcomputer products for education. Issues organized by topic. Organization also has a demonstration and training center.

Churchill Forum
December 1986 Issue
Contribution requested for reprint
Churchill Forum
22 East 95th Street
New York, NY 10128
The December '86 issue of this newletter on learning disabilities was devoted to the topic of computer software for college students with learning disabilities.

An Update on Software in Cognitive Rehabilitation
Sandy Owen
$30.00/yr.
Cognitive Rehabilitation
6555 Carrollton Avenue
Indianapolis, IN 46220
317/257-9672
Publication for therapists, family, and patients. Relevant information on the rehabilitation of impairments resulting from brain injury. Best of available technology, programs, and new methods.

Directory of Software Preview Centers
$10.00 members, $25.00 non-members
International Communication Industries Association
3150 Spring Street
Fairfax, VA 22031
(703) 273-7200

Software Information Services

Connecticut Special Education Network/Software Evaluation
ConnSENSE
Box U-64
249 Glenbrook Road
University of Connecticut
Storrs, CT 06268
203/486-4034
Concerned with evaluating courseware for disabled students. Has telecommunications system for special education administrators, and a telecommunication project for disabled students.

Compuplay
National Lekotek Center
2100 Ridge Avenue
Evanston, IL 60204
312/328-0001
Database of software appropriate for children with mental, physical, behavioral, sensory, and learning impairments. Updated bimonthly.

Special Education Software Center
For Technical Assistance: 800/223-2711
For Technical Assistance (City): 800/435-7639
For Software Information: 800/327-5892
This service center is expecting a name and address change in October of 1987, as part of a new project. In the past this center provided free access to the Center's software database and information services. Can retrieve by any or all of these categories: curriculum or skill term; academic/ready or interest level; handicapping condition; type of computer, peripherals required; primary users; type of instruction. Center staff mail out a printout of all references found, or can send electronically to SpecialNet, CompuServe, or HelpNet (see "Networks"). An info sheet listing hands-on evaluation of products available. Funded by US Dept. of Education

Newsletters and Journals

This list is divided into two sections. The first contains publications with information for computer users with disabilities, and those using computers to teach persons with disabilities. The second section lists publications with information in the area of augmentative communication.

No recommendations or endorsements are implied by inclusion in this list. Contact each resource for specific, up-to-date information.

Computer Use

Journal for Computer Users in Speech and Hearing
Computer Users in Speech and Hearing (CUSH)
Mary V. Dickerson
San Jose State University
Communication Disorders and Sciences
1 Washington Square
San Jose, CA 95192
408/277-2901
Publishes manuscripts, during May and November, dealing with computer applications in diagnosis, treatment, and delivery of services to communicatively handicapped persons. Includes software/hardware reviews, new product announcements and summaries.

American Journal of Occupational Therapy
American Occupational Therapy Association
1383 Piccard Drive
Rockville, MD 20850
301/948-9626
Publication that lists new approaches, practices, research, educational activities and professional trends in occupational therapy.

SERC Newsletter
Special Education Resource Center
25 Industrial Park Road
Middletown, CT 06457
203/632-1485
Outlines the Special Education Resource Center's inservice activities, and lists new acquisitions, including professional books, instructional materials and microcomputer software.

Electronic Education
Electronic Communications, Inc.
1311 Executive Center Drive
Suite 220
Tallahassee, FL 32301
904/878-4178
Electronic Education features educational uses of the microcomputer. Has carried articles on computer applications in special education.

Rehabilitation Gazette
Gazette International Networking Institute
4502 Maryland Avenue
St. Louis, MO 63108
314/361-0475
A bi-annual international journal on the subject of independent living. Published by disabled individuals, it features articles on travel, book reviews, technological equipment and friends around the world.

TRAINING, The Magazine of Human Resource Development
Lakewood Publications, Inc.
The Lakewood Building
50 S. 9th Street
Minneapolis, MN 55402
612/333-0471
Articles concerning training disabled employees to do their jobs in corporate and industrial settings as well as making jobs accessible to disabled people. Concentrates on adapting existing business equipment.

Ruralink
ACRES
359 Miller Hall
W. WA University
Bellingham, WA 98225
206/676-3576
Each issue contains a section on technology. Additionally, various other sections report latest technological and adaptive devices for rural disabled individuals.

Rural Special Education Technology
National Rural Development Institute
359 Miller Hall
W. WA University
Bellingham, WA 98225
206/676-3576
Each issue contains sections on resources, problems and strategies, many of which are related to technology for handicapped persons. A recent issue was devoted exclusively to technology.

Education Computer News
Business Publishing, Inc.
951 Pershing Avenue
Silver Spring, MD 20910
301/587-6300
Bi-monthly newsletter that reports on computer advances in education. Reports on teacher training, software purchasing, obsolescence, new products, research, legislation, state and local news, meetings and conventions.

Micro Scope
Newsletter of the Handicapped Children's Computer
Cooperative Project
7938 Chestnut
Kansas City, MO 64132
Michael Rettis, Ph.D.
Biannual newsletter.

Apple Talk
3015 South Tyler Street
Little Rock, AK 72204
Quarterly magazine for blind persons who use Apple Computers with Echo speech synthesizers.

Cognitive Rehabilitation
6555 Carrollton Avenue
Indianapolis, IN 46220
317/257-9672
Bimonthly journal that includes articles on the use of computers in cognitive retraining, software reviews, and printed source code to allow readers to program new applications.

The Source
Family Publications of Wisconsin, Inc.
P.O. Box 4073
Madison, WI 53711
(608) 274-5200
Monthly free-subscription newspaper for people with disabilities and professionals working with them. Carries a monthly colomn on technology. Regional editions published in a number of states.

MAINSTREAM, Magazine of the Able Disabled
Exploding Myths, Inc.
2973 Beech Street
San Diego, CA 92102
619/234-3138
Covers independent living and employment related technology. Also carries feature articles on individuals with various handicapping conditions. Monthly, excepting January and June.

BYTE
101 Phoenix Mill Lane
Peterborough, NH 03458
603/924-9281
BYTE is a monthly magazine covering general computer applications. The magazine has occasional articles on computer applications for disabled individuals.

Education Update
Association for Retarded Citizens of Georgia
1851 Ram Runway #102
College Park, GA 30337
404/761-2745
Bimonthly. Contains articles relevant to parents educating each other. Technological aids and assistive devices are frequently featured.

Rehabilitation Digest
Canadian Rehabilitation Council for the Disabled
One Yonge Street
Suite 2110
Toronto, Ontario Canada M5E 1E5
416/862-0340
Quarterly. Each issue contains the feature, "Let's Get Technical," highlighting technology and aids to daily living. Additionally, computer technology is a regular feature.

The Exceptional Parent
Psy Ed Corporation
605 Commonwealth Avenue
Boston, MA 02215
617/536-8961
This publication is printed 8 times a year and covers technology and exceptional children as well as new technological developments. Devotes one issue each year strictly to technology.

Education of the Handicapped
Capitol Publications
1101 King Street
Suite 444
Alexandria, VA 22314
703/683-4100
Bimonthly newsletter containing current information about federal, state, and local efforts to educate handicapped children. Covers new laws and regulations, court cases and funding.

Input/Output
669 Casleton Avenue
Staten Island, NY 10301
718/984-1526
This quarterly periodical is published by emotionally handicapped students in the New York City Public Schools. It serves as a clearinghouse for technology in Special Education.

D/SNUG
Boston Computer Society
One Center Plaza
Boston, MA 02108
Quarterly newsletter of the Disabled/Special Need Users Group

Newsletter: Microcomputer Technology for Disabled Individuals in Post-Secondary Education
Tom Morton
SBS Lab
University of South Carolina
Columbia, SC 29208
(803) 777-7840
Covers computer topics in secondary education, including product reviews.

Special Services In The Schools
Bill Cohen
The Haworth Press
12 West 32nd Street
New York, NY 10001
212/228-2800
Quarterly monograph concentration on special education topics.

Achievement
925 N.E. 122nd Street
North Miami, FL 33161-5727
305/895-0153
Monthly newsletter for the disabled.

SAINT
Leader's Digest, Inc.
6803 Whittier Avenue
Suite 200
McLean, VA 22101
Monthly consumer newsletter providing up-to-date information on ways technology helps disabled people.

Professional Services Journal
United Cerebral Palsy Association
66 East 34th Street
New York, NY 10016
212/481-6300
Journal providing a source of information about ideas, concerns, and services for people with disabilities.

Washington Apple Pi Journal
Washington Apple Pi
8227 Woodmont Avenue
Suite 201
Bethesda, MD 20814
301/654-8060
Feature reviews of microcomputer hardware and software, monthly. It also serves as a type of computer bulletin board for individuals wishing to meet and/or help other computer users.

Viewpoint
Center for Information Resources
University of Pennsylvania
4025 Chestnut Street, 3rd Floor
Philadelphia, PA 19104-3054
215/898-8108
A quarterly publication designed to address the community of individuals interested in training and placement of handicapped persons in the area of data processing.

Paraplegia News
5201 N. 19th Avenue
Suite 111
Phoenix, AZ 85015
602/246-9426
Monthly. Offers information on spinal cord injury issues to disabled individuals and to the professional community. Includes articles on accessibility, research, recreation, legislation, and new products.

Challenged American - National Newspaper for the Disabled
P.O. Box 4310
Sunland, CA 91040
818/353-3380
Monthly newspaper featuring social events and issues affecting the developmentally and functionally disabled.

Accent on Living
P.O. Box 700
Bloomington, IL 61702
309/378-2961
Quarterly. Information for physically disabled individuals, their family members, and professionals. New products listings and analysis included.

Link-and-GO
COPH Bulletin
COPH-2
2030 Irving Park Road
Chicago, IL 60618
312/477-1813
Periodicals dedicated to handicapped persons who use personal computers.

On-Line Today
CompuServe, Inc.
5000 Arlington Centre Blvd.
Columbus, OH 43220
614/457-8600
This periodical informs subscribers to CompuServe's Handicapped User's Database about new technologies and services available on the database.

Bits and Pieces
Massachusetts Rehabilitation Commission Library
Room 331
20 Park Plaza
Boston, MA 02116
617/727-1140 (voice and TDD)
A bi-monthly newsletter and acquisitions list of the Massachusetts Rehabilitation Commission Library. The Library has a large collection of disability and rehabilitation information.

The Disability Rag
The Advocado Press, Inc.
Box 145
Louisville, KY 40201
502/459-5343
Deals with social change and political issues affecting the disability rights movement. Frequently contains articles regarding the relevance of technology and announcements about new technology.

ConnSENSE Bulletin
Free
Dr. Chauncy Rucker
University of Connecticut
Box U-64
249 Glenbrook Road
Storrs, CT 06268
203/486-4034
Contains reviews of software as they apply to special needs students. Lists upcoming events and technological breakthroughs for people with disabilities as well as resource and reference information.

Bright Futures
Easter Seal Children's Center
2030 Towers Ferry Road
Suite 140
Atlanta, GA 30339
404/980-1744
Offers advice for pre-school computing, including articles on successful software utilized both in therapy and the classroom. Also covers questions and answers derived from letters to the editor.

InCider
CW Communications/Peterborough
P.O. Box 911
Farmingdale, NY 11737-9811
516/665-3232
Monthly magazine that deals with the Apple II series of computers. Articles, reviews, including educational software.

Counterpoint
9618 Percussion Way
Vienna, VA 02180
703/281-3601
Quarterly newspaper sponsored by the National Association of State Directors of Special Education. Practices, research outcomes, trends and advancements in special education.

The Disabled Challenger
Kissick's Consultants, Inc.
1615 South Fourth
Apt. #M-3210
Minneapolis, MN 55454
612/332-5648
Quarterly newsletter. Each issue features one disabled person and one nondisabled person with positive outlooks.

SENSUS
Sensory Aids Foundation
399 Sherman Avenue, Suite 12
Palo Alto, CA 94306
415/329-0430
Quarterly journal for the blind which focuses on a specific topic each issue. Hardware evaluations included.

Technology Update
Sensory Aids Foundation
399 Sherman Avenue, Suite 12
Palo Alto, CA 94306
415/329-0430
A monthly newsletter on technology for blind and partially sighted people.

The Catalyst
1259 El Camino Real
Suite 275
Menlo Park, CA 94025
415/326-6997
Bimonthly; Newsletter of the Western Center for Microcomputers in Special Education, Inc.; Information on products, research, and applications.

Closing the Gap
P.O. Box 68
Henderson, MN 56044
612/248-3294
Bimonthly. Information on the use of computers in special education and rehabilitation, including software and hardware reviews, user comments, articles, and suggestions.

Computer Disability News
Free of charge.
National Easter Seal Society
2023 W. Ogden Ave.
Chicago, IL 60612
312/243-8400
Quarterly; Announcements regarding products, software, meetings, grants; interviews with leaders in the field.

COPH Bulletin
2030 Irving Park Road
Chicago, IL 60618
Committee on Personal Computers and the Handicapped; Quarterly.

FDLRS-South
Exceptional Technology
9220 SW 52 Terrace
Miami, FL 33615
305/274-3501
Newsletter printed 8 times during the school year handling items of special interest for special education specifically for the Dane and Monroe county school systems.

Network
No charge.
2520 Broadway Drive
Minneapolis, MN 55110
612/481-3500
Instructional newsletter listing materials available from the Minnesota Educational Computing Consortium. Published only during the school year.

Rehabilitation Technology Review
RESNA
1101 Connecticut Avenue NW
Suite 700
Washington, DC 20036
202/857-1199
"Left to Our Own Devices"

The Sloane Report
P.O. Box 561689
Miami, FL 33256
305/251-2199
Bimonthly. Information on the computer industry, software and hardware reviews, consumer tips, and product information.

Teaching Research Newsletter
Special Education Department
Monmouth, OR 97361
503/838-1220
Quarterly newsletter dealing with specific projects on different areas of special education.

VME (Volunteers for Medical Engineering, Inc.)
11728 Mays Chapel Road
Lutherville, MD 21093
301/252-7834

Classroom Computer Learning
2451 East River Road
Dayton, OH 45439
800/543-4383
Newsletter aimed toward the education and administration of K-12 and college schools.

The Computing Teacher
1787 Agate Street
University of Oregon
Eugene, OR 97403
503/686-4414
9 issues/yr (August-June). The journal of ICCE (International Council of Computers in Education). Articles, columns of various interest areas (logo, math, language arts, sciences) software reviews, new products, calendars/updates.

Educational Technology
Educational Technology Publications
720 Palisade Avenue
Englewood Cliffs, NJ 07632
201/871-4007
Monthly. Articles dealing with the application of computers for education, literature and product reviews, and abstracts of documents from the ERIC Clearinghouse of Information Resources.

Electronic Learning
Scholastic, Inc.
P.O. Box 644
Lyndhurst, NJ 07071
201/939-8050
Monthly professional magazine designed for those who have a computer. Included are planning guides, software and hardware buyers guides, and teacher training curriculum.

Journal of Educational Technology Systems
Baywood Publishing Company, Inc.
120 Marine Street
Farmingdale, NY 11735

Journal of Special Education Technology
Managing Editor
Peabody College of Vanderbilt University
Box 328
Nashville, TN 37203
Quarterly; Information, research, and reports of innovative practices applicable to educational technology.

Education News Service
P.O. Box 1789
Carmichael, CA 95609
916/483-6159
916/488-4623
7 issues/yr, Sept-May; yearly index. Articles, news briefs, new products and resources, software evaluations.

Computers and the GT Student
Creative Computer Enterprises
$12.00/yr.
3002 Roanoke Circle
Lafayette, IN 47905
Quarterly; software reviews, articles, Q & A column, classroom management tips and hints.

SIG Bulletin
ICCE
University of Oregon
1787 Agate Street
Eugene, OR 97403
503/686-4414
Quarterly; is a forum for ICCE special interest groups to exchange information. One SIG is the SIGSPED - for Special Education.

Software in the Classroom, A Newsletter for Social Studies Teachers
Judith Waite
Free
Focus Media, Inc.
839 Stewart Avenue
P.O. Box 865
Garden City, NY 11530
800/645-8989
516/794-8900 (NY)
Quarterly.

Update
ERIC
Council for Exceptional Children
1920 Association Drive
Reston, VA 22091
703/620-3660
Semi-annual. List of products, current information, and tips.

Rehab Brief
PSI International
510 North Washington Street
Falls Church, VA 22046
703/534-7591
Monthly newsletter each focusing on a specific topic

The Compu-Tech Connection
Research and Training Center
Stout Vocational Rehabilitation
School of Education & Human Services
University of Wisconsin-Stout
Menomonie, WI 54751
715/232-1389
Biannual newsletter; Product and resource descriptions.

Disabled USA
President's Committee on Employment of the Handicapped
1111 20th Street NW
Washington, DC 20210
202/653-5044
A quarterly publication, scheduled for revisions including a name change in September, 1987.

International Rehabilitation Review
Rehabilitation International
25 East 21st St.
New York, NY 10010
212/420-1500
Rehabilitation International is a federation of national, regional, and international organizations and agencies working together to improve the lives of people with disabilities. Also publish 'International Journal of Rehabilitation Research'.

The Advocate
NSAC
1234 Massachusetts Avenue NW
Suite 1017
Washington, DC 20005
202/783-0125
Contains current information relating microcomputers to the teaching of autistic children. Also lists information concerning conferences relating to computers and autism. Quarterly.

Journal of Learning Disability
c/o PRO ED Inc.
5341 Industrial Oaks Blvd.
Austin, TX 28735
Includes section on computers in the schools.

Augmentative Communication

Current Expressions
Prentke Romich Company
1022 Heyl Road
Wooster, OH 44691
216/262-1984
Quarterly; Product information, articles on system users.

Augmentative and Alternative Communication
Williams and Wilkins
428 E. Preston Street
Baltimore, MD 21202
301/528-4116
Quarterly. Journal focuses on non-verbal communication, integration theory, technology, systems development, assessment, treatment and education of alternative systems users.

ALS Association Newsletter
ALS Association
15300 Ventura Boulevard
Suite 315
Sherman Oaks, CA 91403
818/990-2151
Contains summaries of available computer-assisted communication appliances and devices. New developments in the computer-assisted communication field are covered in each issue. 6 times a year.

Communi-Collegist
Callier Center for Communication Disorders
1966 Inwood Road
University of Texas
Dallas, TX 75225
214/783-3000
Provides current information on augmentative communication materials, equipment, and literature.

Communicating Together
Easter Seals Communication Institute
24 Ferand Drive
Don Mills , Ontario, Canada M3C 3N2
416/421-8377
Communicating Together is a quarterly journal published by the Blissymbolics Communication Institute. Application of Blissymbols and information useful in implementing all augmentative communication systems are provided.

Assistive Devices News
Pennsylvania Assistive Device Center
Elizabethtown Hospital and Rehabilitation Center
Elizabethtown, PA 17022
717/367-1161
800/642-7734(for Penn. residents)
Quarterly; Provides product information, announcements, and conference reports. Focuses on augmentative communication, and includes information on computer access peripherals.)

Communication Outlook
Circulation Manager
Michigan State University
405 Computer Center
East Lansing, MI 48824-104
517/353-0870
Quarterly; Focuses exclusively on communication aids and techniques.

Friends
Special Children's Friends, Inc.
RD 1, Box 84
Surry, ME 04684
Quarterly magazine for school aged children with language delays and other disabilities. Includes photo essays, interviews, and a pen pal service

Talking Bars Newsletter
Learning Express, Inc.
8029 Danwood St.
Little Rock, AR 72204
501/565-8208
Biannual. Bar code talking technology in augmentative communication and special education.

Developmental Equipment Newsletter
900 Winnetka Terrace
Lake Zurich, IL 60047
312/438-3476
Product updates on augmentative communication and computer access devices (3-4 times a year); articles sharing useful equipment applications.

Blindness and Vision Impairments

See "Information Resources for Blind and Visually Impaired Individuals."

Deafness and Hearing Impairments

See "Information Resources for Deaf and Hearing Impaired Individuals."

Networks, Bulletin Boards and Databases

This is a summary of databases and computerized networks of interest to people with disabilities and those working with them. Guides to databases are also included. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information before going on line.

On-Line Microcomputer Guide and Directory
(BRS)
On-Line, Inc.
11 Tannery Lane
Weston, CT 06883
203/227-8466
Database with listings of software, including descriptives, reviews, and producer comment. No game/entertainment software.

4 Sights Network
National Information System for the Visually Impaired
16625 Grand River
Detroit, MI 48227
313/272-3900
Teleconferencing, bulletin board, and database for blind persons and those working with them. Database information is available on rehabilitation resources, public policy, calendar of events, software descriptions and reviews, a multihandicapped blind conference, specialized training facilities, low vision, job exchange, technological aids and assistive devices, and occupational information.

KendallNET
Kendall Demonstration Elementary School
800 Florida Avenue NE
Washington, DC 20002
202/651-5035 (voice or TDD)
A computer network developed specifically for schools and programs serving hearing impaired students. Electronic bulletin boards on new hardware, solutions to technical problems, what works well with deaf students, discussions of trends. An educational software clearinghouse listing programs in use or under evaluation at KDES or other schools and programs for the deaf. Electronic mail system, computer pen pal project.

Robotics Information
(BRS)
EIC/Intelligence, Inc.
48 West 38th Street
New York, NY 10018
212/944-8500
Database with journals, books, technical reports, and conference proceedings dealing with robotics.

ARTN (Advanced Rehabilitation Technology Network)
ACS Medicom
25825 Eshelman Avenue
Lomita, CA 90717
213/325-3055
A network for rehab centers in N. America designed and managed by ACS Medicom. Intended to provide a key to more effective use of all rehab databases. Information is available on research & technical information, product information & test results, funding, legislative/legal efforts, education, employment. As well as electronic mail and data, ARTN stations will be able to run and use any program on the fileserver (e.g., Lotus 1-2-3 and DBase III Plus, etc.). 25 round one sites began using ARTN in June 1986.

CTG Solutions
Closing the Gap
P.O. Box 68
Henderson, MN 56044
612/248-3294
A database with information on computer technology for persons with disabilities. Information on hardware, software, publications, organizations, and practices/procedures is available at a cost of $10.00 per inquiry. Annual membership fee will be initiated in October, 1986. Mail or phone inquiries; operator sends a printed document.

AppleCider BBS
Greg Trobaugh
39-44 24th Street, Apt. 3B
Long Island City, NY 11101
718/482-0088 (voice)
718/482-0089 (modem)
A bulletin board service designed to provide support to all computer users, with special emphasis on making information available to disabled persons regarding the use of the computer for productive work and rehabilitation.

CompuHelp
National Association of Blind and Visually Impaired Computer Users
P.O. Box 1352
Roseville, CA 95661-1352
916/786-3923, modem
916/783-0364, voice
A menu-driven database and bulletin board for use by blind and visually impaired computer users. Information on hardware, software, publications in braille or tape, self-help groups, blind computer user groups, etc. No charge; $10.00/year donation is requested. 24 hours per day.

Rare Disease Database
NORD
Box 8923
New Fairfield, CT 06812
203/746-6518
This is a searchable database on CompuServe, accessible with a PC and a modem. Contains health related information with resources that can be contacted for further assistance.

CompuServe
P.O. Box 20212
5000 Arlington Centre Blvd.
Columbus, OH 43220
800/818-8199
A nationwide database with bulletin boards that provide information on handicapped persons, issues, technology, and statistics, among other things.

Rural Rehabilitation Technologies Database
University of North Dakota
Medical Center, Rehabilitation Hospital
Box 8202
Grand Forks, ND 58202
701/780-2489
This organization maintains a database containing information about technological devices of interest to disabled people.

JAN (Job Accommodation Network)
West Virginia University
809 Allen Hall
P.O. Box 6122
Morgantown, WV 26506-6122
304/293-7186 (general information)
304/526-4698 (W.V. residents)
800/526-7234
A computerized catalog of solutions to accommodate functional access limitations in work environments. It was developed to promote the hiring and advancement of people with organizations.

The Disability Forum
Daveed Mandell
P.O. Box 3557
Berkeley, CA 94703
Information sharing, experience sharing. Also The Mainstream Center, Round Hill Road, Northhampton, MA 01060-2199.

ABLEDATA
A computerized listing of commercially available products for rehabilitation and independent living. The base of operations for this database is currently in transition.

Accent on Information
P.O. Box 700
Bloomington, IL 61702
309/378-2961
A computerized product database organized by categories of equipment and by disability function.

ADDS (Assistive Device Database System)
American International Data Search, Inc.
650 University Avenue
Suite 101 B
Sacramento, CA 95825
916/924-0280
A source of information on adaptive equipment programs and other resources. Requests can be made via computer, mail, or the toll free number.

AdvocNet
The National Center for Research in Vocational Education
Ohio State University
1960 Kenny Road
Columbus, OH 43210
800/848-4815
614/486-3655 (in Ohio)
A communications network for vocational educators; includes The Vocational Education Special Needs Newswire.

CONFER
Blissymbolics Communication Institute
350 Rumsey Road
Toronto, Ontario M4G 1R8
406/424-3806
A computer conferencing network that enables users to establish and participate in technology-related forums and conferences regarding individuals.

CRISP (Computer Retrieval of Information on Scientific Projects)
National Institute of Health
Westwood Building, Room 148
5333 Westbard Avenue
Bethesda, MD 20205
301/496-7543
A scientific base of information developed from recent government health research.

CUSSNet (Computer Use in Social Services Network)
Dick Schoech, School of Social Work, University of Texas at Arlington, P.O. Box 19129, Arlington, TX 76019
817/273-2011
Computerized inventory of commercially available and public domain human services software. One component specializes in info on computers and handicapped users. Classification by special interest group available. Local and national bulletin boards, downloading of public domain software, skills bank, special interest groups. Teaching materials, reports, literature concerned with the education of disabled children and adults.

DEAF-NET
Hal Huntley
SRI International
333 Ravenswood Avenue
Menlo Park, CA 94025
415/859-2236
Provides information on DEAF-NET. Not a vendor, but can answer questions regarding this computer network designed for but not limited to the hearing impaired. For information contact Hal Huntley.

EIES (Electronic Information Exchange System)
Computerized Conferencing and Communications Center
New Jersey Institute of Technology
Martin Luther King Boulevard
Newark, NJ 07102
201/596/3000
Currently investigating the use of the EIES System to allow people with disabilities, the homebound, and senior citizens to communicate among themselves and with others.

ECER, ERIC (Educational Resources Information Center)
Council for Exceptional Children
1920 Association Drive
Reston, VA 22091
703/620-3660
ECER is the ERIC database. It has educational materials (including special education), reports, bibliographic information, available via computer, microfiche, or paper copy.

NTIS (National Technical Information Service)
Department of Commerce
5285 Port Royal Road
Springfield, VA 22161-2200
703/487-4600 general information
703/487-4642 computer searches
703/487-4650 documents
A leading source for government research and reports. Data searches on topics are published and available for order.

REHABDATA
A database of rehabilitation-related literature. The base of operations for this database is currently in transition.

SpecialNet
National Association of State Directors of Special Education
2021 K Street NW, Suite 315
Washington, DC 20006
202/296-1800
This network features telephone access, electronic mail, bulletin and data collection in the area of special education.

UNET
The M.U.S.E. User's Network
Melinda Rauschert, Coordinator
Western Illinois University
Macomb IL 61455
309/298-1634
An electronic bulletin board for computer users, program developers, and educators; information on computer use in special education, forum for information and idea sharing, and access to public domain software relevant to the field. On-line 24 hours/day, 7 days/week. No membership charge.

Well-Net (CHIP - Community Health Information Project)
Dan Van Horn
Sensory Aids Foundation
399 Sherman Ave.
Suite 12
Palo Alto, CA 94306
415/329-0430
A nationwide electronic bulletin board for the disabled. No membership fee.

TECH LINE
Center for Special Education Technology
Technology Information Exchange
Council for Exceptional Children
1920 Association Drive
Reston, VA 22091
800/345-8324
One electronic bulletin board offering news about special education technology and information from other special educators. Information is primarily on how the technology is used, rather than on the products. Information and fact sheets available at no charge.

EQUAL BBS
Michael Bowen
3535 S. Wilmington Street
Office 205
Raleigh, NC 27603
919/772-7513
Offers 20 databases, generally catagorized by disability type. Focus is on hardware, software, aids and adaptations to help persons with disabilities live more independently.

HEX(TEX)
Mike Hales
Route 1
Box 30-W
San Juan, TX 78589
512/383-5860
Bulletin board, database, and electronic mail dealing with use of technology by the deaf community.

SCAN (Shared Communication and Assistance Network)
Larry Searcy, Director
8605 Cameron Street
Suite 406
Silver Spring, MD 20910
301/588-8252
Electronic mail, bulleting boards for persons with developmental disabilities.

LINC Resources, Inc.
3857 N. High Street
Columbus, OH 43214
614/263-5462
A computerized database of the software for instruction, personal assistance, administration, and testing. Free searches.

Modular Student Management System (MSMS)
256 North Washington Street
Falls Church, VA 22091
703/536-2310
A network for special educators and administrative applications. Designed to assist administrators develop and update IEP and general reports for use at the building district and state level.

C-CAD Online
Center for Computer Assistance to the Disabled
2501 Avenue J. #100
Arlington, TX 76006
Bulletin board for the elderly and handicapped.

TRAIN
Suite 101
Neshaminy Plaza II
Bensalem, PA 19020
215/639-1513
A database of testing, training resources, assessment, and workshop materials used in special education. Inservice Network for professionals in special education.

Direct Link
P.O. Box 6762
Santa Barbara, CA 93160
(805) 964-5708
Information and referral service. Links disabled people with providers of direct services. Can be contacted directly by phone (voice not modem).

HELPNET
Special Education Software Center
Building B, Room S312
333 Ravenswood Avenue
Menlo Park, CA 800/435-7639 (access) (except Alaska and Hawaii)
800/223-2711 (technical information)
800/327-5892 (software information)
On-line access to the Special Education Software Center. With a modem and telecommunications software, the center can be contacted via a toll-free number. Future plans include bulletin boards where software subroutines developed as a part of technical assistance activities are made available. No charge.

Tell 'em Ware Database
Tell 'em Ware
1714 Olson Way
Marshalltown, IA 50158
(515) 752-9667
AppleWorks database of organizations, companies and individuals offering assistance, information or products to assist school-age special needs computer users. Mostly Apple computer information, but some IBM and generic application information as well.

CompuPlay Database
National Lekotek Center
2100 Ridge Avenue
Evanston, IL 60204
(312) 328-0001
Database of software for students with special needs. Available on disk (as AppleWorks file) or on paper. Entries are reviewed by CompuPlay instructors, teachers and parents.

Sources of Additional Information

The Complete Handbook of Personal Computer Communication: Everything You Need to Know to Go Online with the World
St. Martin's Press
175 5th Avenue
New York NY 10010
212/674-5151

National Computer Bulletin Board Directory
Thomas Wnorowski
$2.00
3352 Chelsea Circle
Ann Arbor, MI 48104
Lists more than 1400 bibliographies.

Books, Pamphlets and Organizations

This resource list provides information on books, pamphlets, and organizations of interest to disabled persons and those working with them. Particular emphasis has been put on resources that pertain to computer access for people with disabilities. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Books and Pamphlets

Computer Technology for the Handicapped: Proceedings of the Closing the Gap Conference
Grogan, M. and Hagen, D.
Closing the Gap
P.O. Box 68
Henderson, MN 56044
(612) 248-3294
These proceedings of the CTG Conference presentations provide information on application of computers for disabled persons.

Special Education Applications for PowerPad
Dunamis, Inc.
3620 Highway 317
Suwanee, GA 30174
404/932-0485

Compilation of Clinical Software for Aphasic Rehabilitation and Cognitive Retraining.
Brubaker, Susan Howell, and Rolnick, Michael I.
1984
$69.95
This compilation provides descriptions of software programs and their characteristics for use in microcomputer-assisted aphasia rehabilitation and cognitive retraining.

Ten Keys
$198.00 (starter issue); $125.00 (renewal, supplements)
Aids Unlimited, Inc.
1101 North Calvert Street
Suite 405
Baltimore MD 21202
301/659-0232
Set of notebooks with tabs, separated into five sections including information on assistive devices, information on implementation of 504, court decisions, books, publications, services and funding. Starter issue (containing all previous supplements) and 11 monthly supplements, $198.00. Renewal, 12 supplements, $125.00 year.

Quick Guide to Resources in Special Education Technology (Under revision/1987)
Bob Reid and Diane Herera Shepard
Utah State Office of Education
Special Education Section
Developmental Center for Handicapped Persons
Utah State University
Logan, UT

Considerations 3.0: Results of the Industry/Government Cooperative Effort on Computer Accessibility for Disabled Persons
Vanderheiden, G.C., and Lee., C.C. (coordinators)
1987
$7.50
Trace Research and Development Center
S-151 Waisman Center
1500 Highland Avenue
Madison, WI 53705
These Considerations are a result of industry/government/researcher/consumer cooperative effort to study the designs of computers and develop recommendations for modifications to make them more accessible. The particular focus of these Considerations is the ability for disabled persons to use standard computers and standard software. The Considerations are continually revised based upon the work of the committee. Anyone may participate by securing a copy of the Guidelines, reviewing them, and sending in comments.

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Effective Microcomputer Assisted Instruction for the Vocational Education of Special Needs Students
University of Wisconsin-Madison
Publications Unit
265 Educational Sciences Building
1025 West Johnson Street
Madison, WI 53706
608/263-4357
Manual provides assistance to persons concerned with the vocational and career education of handicapped youth. Contains microcomputer assisted instructional programs, program name, developer, contact person, vocational area, and type of student for which the program was found effective.

Using Authoring in Education: Customizing Computer Based Lessons for Students
$19.95
Brookling Books, Inc.
P.O. Box 1046
Cambridge, MA 02238
Book designed for the educator who is serious about making maximum utilization of the computer in instructional settings. Contains information on authoring systems, enhancements and special features such as graphics, modified input devices, voice and speed synthesis.

Express Yourself - Communication Disabilities Need Not Be Handicaps
Peg L. Johnson
1986
$9.95 + $2.00
Pegijohn
6432 5th Avenue
South Richfield, MN 55423
This book demonstrates how individuals with communication disorders are currently achieving various degrees of self-expression through the use of portable electronic augmentative communication aids.

Oakland Schools Picture Dictionary
$45.00
Oakland Schools
CEC
2100 Pontiac Lake Road
Pontiac, MI 48024
Over 500 simple line drawings divided into 20 categories; alphabetical and categorical indexes; line drawings presented in 3 sizes; sample communication boards and grids - all compatible with commercially available microcomputer interfaces.

Electronic Communication Aids: Selection and Use
Iris Fishman, M.A., Augmentative Communication Specialist
1987
$17.50
College Hill Press
Division of Little Brown & Co.
Boston
Book providing a practical approach to understanding, selecting, and using electronic communication aids so that speech/writing impaired individuals can receive maximum benefit from them.

Occupational Therapy In Health Care
Haworth Press, Inc.
28 East 22nd Street
New York, NY 10010-6194

A Study of Communication Aid Research, Prescription, and Commercialization in the United Kingdom and the Netherlands.
Richard A. Foulds
$1.50
World Rehabilitation Fund, Inc.
400 East 34th Street
New York, NY 10016
Attn: Diane Wood, Project Director
212/679-2934
Includes service delivery models, aid demonstration centers, available communication aids, and microcomputer-based communication.

Communication Interaction Between Aided and Natural Speakers: A State-of-the-Art Report
Arlene W. Kraat
$16.50
Trace Research and Development Center
S-151 Waisman Center
1500 Highland Avenue
Madison, WI 53705
608/262-6966
A compilation of published and unpublished research, clinical observations and perspectives of aid users. Sponsored by IPCAS: The International Project on Communication Aids for the Speech Impaired

Used Equipment Marketplace: A Strategy for Cutting Equipment Costs
$9.00
Metropolitan Center for Independent Living
1619 Dayton Ave.
St. Paul, MN 55104
612/646-8342 (voice)
612/646-6048 (TDD)

Recognizing and Enhancing the Communication Skills of Your Group Home Clients
Beverly Vicker
1985
Development Training Center
Attn: DTC Library
2853 East Tenth Street
Bloomington, IN 47405
812/335-6508

Computer Technology/Special Education Rehabilitation Proceedings
1986
$12.95
Office of Disabled Student Services
California State University, Northridge
1811 Nordhoff Street
Northridge, CA 91330
818/885-2869
Focuses on 27 of the presentations at the conference of the same name, held in October 1985.

Computers, Education, and Special Needs
E. Paul Goldenberg et al.
1984
$14.95
This book provides a practical introduction to the use of the computer as a tool for special needs education as it relates to communication, access and motivation. Case studies and a guide for implementation are included.

Technology for Independent Living Sourcebook
Alexandra Enders, OTR (Editor)
1984
$25.00
RESNA
1101 Connecticut Avenue NW
Suite 700
Washington DC 20036
202/857-1199
This Sourcebook provides an exhaustive listing of resources for individuals with disabilities and the professionals working with them. It also contains helpful brief articles explaining major concepts, philosophies, and technical information of relevance to the areas covered. A new edition is due out for 1988.

A Guide to Controls: Selection, Mounting, Application
1982
$10.00
RESNA
1101 Connecticut Avenue NW
Suite 700
Washington DC 20036
202/857-1199
The Guide to Controls was compiled to help users select and locate the most useful switches and controls for operating assistive devices.

Access to Computers for the Physically Handicapped
Publication ACPH-4 2/84
1984
No charge for single copy
Prentke Romich
1022 Heyl Road
Wooster OH 44691
216/262-1984
This product brochure attempts to promote a greater awareness of computer-related PRC products, which provide access to computers for disabled people.

Features of Commercially Available Communication Aids
A. Kraat and M. Silver
Prentke Romich Company
1022 Heyl Road
Wooster OH 44691
216/262-1984
This chart visually displays functions of most of the major commercially available aids; many are useful for computer access. Non-PRC aids are included.

Personal Computers and the Disabled–A Resource Guide
No charge for a single copy
Apple Computer
20525 Mariani Avenue
Cupertino CA 95014
408/996-1010
Telex 171-576

Guide to Learning: Resources for Users of IBM Personal Computers
1984
Available from IBM, 1984.

I'm Handicapped! How Can I Use Computers?
The Handicapped's Source
Computability
101 Route 46 E
Pine Brook NJ 07058
201/882-0171
800/345-4076 (outside NJ)
This pamphlet gives an introduction to the basic parts of a computer and how it can be used by disabled individuals.

Personal Computers and Special Needs
Frank G. Bowe
1984
Sybex, Inc.
2021 Challenger Drive
Alemeda, CA 94501
800/227-2346
This book shows how computers can be used by individuals with different disabilities, in part by sharing the stories of people who are using computers now.

Personal Computers and the Disabled
Peter A. McWilliams
1984
Quantum Press
Doubleday and Company, Inc.
501 Franklin St.
Garden City NY 11530
516/294-4000
This book gives an introduction and overview of the computer and its potential applications for disabled individuals. Includes comprehensive resource listings of associations, federal government agencies, state agencies, etc.

Handbook of Microcomputers in Special Education
Michael M. Berhmann
1984
College Hill Press
4284 41st Street
San Diego CA 92105
800/343-9204
800/238-2300
This book provides an overview of computer applications in special education in a way that generates enthusiasm and decreases the fear of using computers.

Handbook of Microcomputer Applications in Communication Disorders
Arthur H. Schwartz
College-Hill Press
4284 41st Street
San Diego CA 92105
800/343-9204
800/238-2300
This book focuses on the understanding and application of the computer by agencies, clinics, and clinicians. Included are evaluation measures for hardware and software, steps in implementation, and possible funding strategies.

Clinical Applications of Microcomputers in Communication Disorders
James L. Fitch
University of Southern Alabama, Mobile
1986
Harcourt Brace Jovanovich
A comprehensive reference for the utilization of the microcomputer in the field of communication disorders. An appropriate text for courses on clinical management, as well as a resource for professionals in the field of communication disorders

Microcomputer Resource Book for Special Education
Dolores Hagen
Bk. # 083-594-3453
1984
Prentice-Hall, Inc.
200 Old Tappan Road
Old Tappan NJ 07675
201/767-5937
This book gives an overview of current applications for individuals with disabilities.

IBM Special Education Resources Guide to Adaptive Devices, Software, and Services for Special Education, Vocational Rehabilitation and Employers
National Support Center for Persons with Disabilities
P.O. Box 2150
Atlanta GA 30055
404/238-3206
1-800-IBM-2133
A listing of resources related to microcomputer use by persons with disabilities.

Computer Technology for the Handicapped in Special Education and Rehabilitation: Resource Guide I and II
ICCE (International Council for Computers in Education)
University of Oregon
1787 Agate Street
Eugene OR 97403
503/686-4414

Software Selection, Evaluation and Organization
ICCE (International Council for Computers in Education)
University of Oregon
1787 Agate Street
Eugene, OR 97403
503/686-4414

Learning Disabled Students and Computers: A Teacher's Guidebook
ICCE (International Council for Computers in Education)
University of Oregon
1787 Agate Street
Eugene, OR 97403

Interactive Video in Special and General Ed: A Development Manual
ICCE (International Council for Computers in Education)
University of Oregon
1787 Agate Street
Eugene, OR 97403

Indiana Assistive Device Resource Directory
Instructional Materials Center
251 E. Ohio Street
4th Floor
Indianapolis IN 46204
317/269-9441
Directory to help Indiana service providers match those needing assistance to people and product sources. Resource/contact persons for non-vocal communication in Indiana and a listing of the equipment they have are included. Revised 1987, available by mail at 229 State House, Indianapolis, IN 46204

Tell 'em Ware
$15.95 (AppleWorks Database)
1714 Olson Way
Marshalltown IA 50158
Over 400 addresses of sources useful in application of Apple computers with special education students; e.g, suppliers of Apple compatible parts and accessories, suppliers of software for the handicapped, organizations and individuals with further information, collections of public domain educational software.

Computer Use in Cognitive Retraining
1984
$1.25
National Head Injury Foundation
P.O. Box 567
Framington MA 01701
617/879-7473
Includes an overview and considerations for determining appropriate use of computer technology in cognitive retraining; a bibliography with information on software, computer adaptations, articles, resources.

Cognitive Rehabilitation Resources for the Apple II Computer
Jeffery S. Kreutzer, Mark R. Hill, Catherine N. Morrison
Neuroscience Publishers
6555 Carrollton Avenue
Indianapolis, IN 46220
(317) 257-9672
Contains information on setting up and using computers in cognitive rehabilitation, plus reviews of available software.

Microcomputer Applications for Speech-Language Services in Schools
Jana Sanders, M.A.
Careers, Computers, and the Handicapped
Michael Bender, Nancy Pin-Milburn, Lee Richmond
Pro-Ed

Everybody's Technology: A Sharing of Ideas in Augmentative Communication
Charles Goris-Monis
Charlescoms Env.
P.O. Box 419
Jean Talan Station
Montreal, Quebec H1S 2Z3

Programming Equity into Computer Education
$9.95
Project on Equal Education Rights
11th Floor
1333 H Street, N.W.,
Washington, DC 20005
A kit to evaluate the accessibility of computer resources to disabled students, girls, minorities and low-income students.

Proceedings of the National Conference on Microcomputers in Special Education
Hartford, Connecticut March 1983
CEC (Council For Exceptional Children) 5512
1920 Association Drive
Reston, VA 22901-1589
703/620-3660

Microcomputers in Special Education: An Introduction to Instructional Applications
Budoff, Milton Thormann
1985
$19.95
This book introduces special education teachers and administrators to microcomputers and how they can be used in special education settings.

Computer Technology for the Handicapped in Special Education and Rehabilitation
ICCE - International Council for
Computers in Education
University of Oregon
1787 Agate Street
Eugene, OR 97403
503/686-4414

Organizations

HEATH Resource Center
(Health Education and the Handicapped Center)
National Clearinghouse on Post-Secondary Education for Handicapped Individuals
1 Dupont Circle NW
Washington, DC 20036
202/939-9320
800/54-HEATH
Disseminates information about educational support services, policies, procedures, adaptations, and opportunities for disabled students. Prepares and disseminates the HEATH Resource Directory and a newsletter three times a year.

Access Unlimited/SPEECH Enterprises
Sherry Lowry, President
P.O. Box 7986
Houston, TX 77270
713/461-1666
Information on large print and speech output.

Education Turnkey Institute
256 N. Washington Street
Falls Church, VA 22091
703/536-2310
Provides information services and training on technology use in special education. Also conducts surveys of state and local education associations for publishers and developers.

Computer Users in Speech and Hearing (CUSH)
School of Speech and Hearing Sciences
Ohio University
Athens, OH 45701
614/593-1407
CUSH is an organization of speech pathologists and audiologists involved in the application of computer technology in the communication sciences. Information is exchanged through journals and a software lending library.

SEDL/Regional Rehabilitation Exchange
211 E. 7th Street
Austin, TX 78701
512/476-6861
This project identifies exemplary practices and programs. The core area is "High Technology Applications in the Vocational Rehabilitation Process." Technical assistance in this area is provided.

Fairfax County Public Schools
10310 Layton Hall Drive
Fairfax, VA 22030
703/691-2186
Resource center for technology for handicapped students in public schools. Have explored computer applications in the following areas: computer literacy, CAI, communication assistance and vocational training.

East Range Developmental Achievement
800 A Avenue
Eveleth, MN 55734
218/744-5130
An exchange network for information on the use of microcomputers by persons with developmental disabilities.

Data Referral Network
Mobility Special Services, Inc.
190 Sumner Street
Boston, MA 02062
617/891-8858
Data Referral Network provides "one-stop shopping" for disabled individuals. (New York residents must call: 800/962-1480, ext. 333)

Governor's Advocacy Council for Persons with Disabilities
1318 Dale Street
Suite 100
Raleigh, NC 27605
919/733-9250
This organization is a resource center for disabled persons in North Carolina.

Massachusetts Rehabilitation Commission Library
Room 331
20 Park Plaza
Boston, MA 02116
617/727-1140 (voice and TDD)
This library is dedicated exclusively to literature about disabled people. Information about computers and adaptive devices is available free of charge to handicapped people.

First Dibs
Disability Information Brokerage System
P.O. Box 1285
Tucson, AZ 85702-1285
602/327-8277
A resource sharing network that provides a wide range of resources including information on new technological developments regarding computers as well as augmentative communication and rehabilitation devices.

Easter Seal Children's Center
2030 Towers Ferry Rd., Suite 140
Atlanta, GA 30339
404/980-1744
Offers advice and training for computer use with pre-school handicapped children. Includes diagnostic services for students regarding computers, peripherals and appropriate software.

Easter Seal Society
(Formerly Blissymbolics Communication Institute)
350 Rumsey Road
Toronto, Ontario, Canada M4G 1R8
416/424-3805
Support and educational group involved in the design of computer programs using Blissymbols. Resource center for the use of Blissymbols. Distribute programs using Blissymbols for augmentative communication.

Bureau of Education for Exceptional Students
Florida Bureau of Education for Exceptional Students
Knott Building
Tallahassee, FL 32301
904/488-4245
State Education Agency providing hands-on training for microcomputer use to teachers and students. Acts as a resource center for anyone wanting information regarding technology and students with disabilities.

Access/Abilities
P.O. Box 458
Mill Valley, CA 94942
415/388-3250
Access/Abilities maintains a data base of resources for physically impaired individuals. The data base contains information on services, aids, and adaptive devices. The data is not yet electronically accessible.

Connecticut Special Education Resource Center
Hartford Graduate Center
275 Windsor Street
Hartford, CT 06120
203/246-8514
Offers inservice training on microcomputer use in special education. Acts as a resource center for computer software, professional books, tests, and instructional materials. Runs an annual summer conference.

ABLENET
Cerebral Palsy Center
Griggs-Midway Building
1821 University Avenue
St. Paul, MN 55104
612/331-5958
ABLENET provides information on technological devices and support services for children and adults with severe or profound disabilities.

National Organization on Disability (NOD)
910 16th St. NW
Suite 600
Washington, DC 20006
202/293-5968 (Voice or TDD)
NOD offers information and referral services to all handicapped individuals. The organization is community-based and supports a national network of disabled people working together for change.

NIRE (National Institute for Rehabilitation Engineering)
P.O. Box 841
Butler, NJ 07405-0841
201/853-6585
This organization is an information and referral center for disabled persons seeking rehabilitation with the help of technology.

Job Accommodation Network (JAN)
University of West Virginia
809 Allen Hall
P.O. Box 6122
Morgantown, WV 26505-6122
800/526-7234
A service of the President's Committee on Employment of the Handicapped, operated by NIHR (National Institute of Handicapped Research) and RSA (Rehabilitation Services Administration). Provides a free information system for employers regarding job modifications and accommodations. Includes equipment modifications, site modifications, and redesign of job functions to suit functional limitations.

FDLRS/EAST
Sharon Tolson
1450 Martin Blvd.
Merritt Island, FL 32952
305/631-1911
FDLRS/SOUTH
Dr. Elenor L. Levine
9220 S.W. 52nd Terrace
Miami, Florida 33165
305/274-3501

SECTOR Project
Kim Allard, Director
UMC 68
Utah State University
Logan, UT 84322
801/750-1981
The Sector project has been terminated; because of this, personal technical assistance is no longer available. However, this project will still disseminate information on associations, organizations, and government agencies involved with helping handicapped persons.

Center for Multisensory Learning
Linda De Lucchi
Lawrence Hall of Science
University of California
Berkeley, CA 94720
415/642-8941

ERIC Clearinghouse on Handicapped and Gifted Children
The Council for Exceptional Children (CEC)
1920 Association Drive
Reston, VA 22091
703/620-3660
Disabled or gifted children; produces one database, ECER (research and related literature), and offers searches of the ERIC database; publishes fact sheets and brief bibliographies on topics of current interest; responds to information requests.

National Center for Health Statistics
3700 East-West Highway
Hyattsville, MD 20782
301/436-8500

Association for Retarded Citizens (ARC) of the US
Bioengineering Program
2501 Avenue J
Arlington, TX 76006
817/640-0204
Technology for mentally retarded persons. Adapts currently available assistive devices for use by retarded persons; develops new assistive devices when needed; consolidates information on the use of technical aids into technology resource library.

Computer Options
85 Market Street
Poughkeepsie, NY 12601
914/471-2765
Workshops, service and consultation to schools, facilities and individuals interested in using computers with handicapped children. Quarterly newsletter (free) with new products, unique applications, and more. Also has Educational Software Catalog (free) – 500 titles by subject area.

National Clearinghouse of Rehabilitation Training Materials (NCRTM)
Oklahoma State University
115 Old USDA Building
Stillwater, OK 74078
405/624-5000
Provides information on rehabilitation with primary emphasis on training materials for use by educators or disabled persons or counselors. Publishes the NCHRTM Memo (quarterly) to help disseminate information.

Stout Vocational Rehabilitation Institute
Materials Development Center (MDC)
University of Wisconsin-Stout
Menomonie, WI 54751
715/232-1342
Vocational evaluation and work adjustment; collects, develops, and disseminates information and materials on vocational evaluation and work adjustment, including the use of technology.

National Information Center on Deafness
Gallaudet College
800 Florida Avenue NE
Washington, DC 20002
202/651-5109 (voice/TDD)
Deafness and hearing loss: centralized source of information on deafness; responds to inquiries from parents, professionals, and deaf individuals; disseminates fact sheets, resource listings, and other materials.

Tech-Tapes
Susan Elting
Council for Exceptional Children
1920 Association Drive
Reston, VA 22091
8000/345-TECH
Series of taped messages on special education technology. Tapes are available 6 PM to 1 PM Monday-Friday. Staff will answer and handle requests from 1 PM to 6 PM.

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NEISS
New England Institute of Sensory Science
71 Pleasant Street
Worcester, MA 01609
617/791-4303
Information center on technology for people with hearing, visual, balance and touch disabilities. Also provides information on organizations and special services for people with sensory disabilities.

Mill Neck Foundation, Inc.
P.O. Box 100
Mill Neck, NY 11765
516/922-3880
Telecommunication van designed as a mobile learning lab and demonstration unit for TDDs. Travels in an interstate area in the northeastern region.

HELPLINE
Pracon, Inc.
10390 Democracy Lane
Fairfax, VA 22030
703/620-6400
Prepares lists of assistive devices. Checklists distributed primarily to physicians' offices to be given to patients as needed. Lists are sent in response to the checklists received, with occasional further searches for special products. Free of charge, funded by Merck, Sharp, & Dohme.

Kinsmen Rehabilitation Foundation of British Columbia
2256 West 12th Avenue
Vancouver, British Columbia V6K 2N5
Information center on resources for persons with disabilities. KRIS database, soon to be available, will include information on technology, organizations and other resources.

C-CAD (Center for Computer Assistance to the Disabled)
2501 Avenue J
Suite 100
Arlington, TX 76006
817/640-6613
Generates the donation of computers, peripherals, and software from commercial organizations for placement (donation or on loan) to disabled clients. Maintains computer database of resources of information. Consults and responds to requests for information about special adaptations or modifications to computers for use by the disabled.

AIDLINE
Associated Enterprise
Development, Inc.
120 Admiral Cochrane Drive
Annapolis, MD 21401
301/841-6920
Taped messages about technology for people with disability. Suspended, but group is looking for funding to continue project.

The Technical Resource Center
525 11th Avenue S.W.
Suite 100
Calgary, Alberta, Canada T2R 0C9
403/262-9445
Does assessments and provides technical aids to help disabled persons better realize educational, vocational, social and independent living potentials. Consults on the selection, operation, and application of aids. Equipment is loaned for trial use and assessment. Educates professionals. Maintains computerized library of information.

National Technology Center
American Foundation for the
Blind, Inc.
15 West 16th Street
New York, NY 10011
212/620-2000
The Center has three components: National Technology Data Base; Evaluations; Research and Development. Provides a resource for blind and visually impaired persons and professionals who work with them.

NTID (National Technical Institute for the Deaf)
1 Lomb Memorial Drive
Rochester, NY 14623
716/475-6400
This organization of the U.S. Department of Education is a resource center for technical education for deaf and hearing impaired people.

Western Center for Microcomputers in Special Education
1259 El Camino Real
Suite 275
Menlo Park, CA 94025
415/326-6997
Publishes The Catalyst (quarterly). Provides information on computer peripherals for use by handicapped individuals.

Office of Special Education
Apple Computer, Inc.
20525 Mariani Avenue
Cupertino, CA 95014
408/996-1010
Through this office, Apple works with key education, rehabilitation and advocacy organizations nationwide to identify the computer-related needs of disabled individuals and to assist in the development of responsive programs.

Closing The Gap, Inc.
P.O. Box 68
Henderson, MN 56044
612/248-3294
National and regional conferences, workshops and training. Also operates a bookstore and publishes a newspaper dedicated to the latest in technology for disabled people.

DADA (Designing Aids for Disabled Adults)
1024 Dupont Street
Unit 5
Toronto, Ontario, Canada M6H 2A2
416/633-4494
Helps to train disabled adults and health care professionals in the use of new and existing technology, researches and develops low-cost technical aids, runs workshops.

P.H.I.R.S.T. LINK
(Physically Handicapped Information Resource Service on Technology)
Kitchener-Waterloo Services for the Physically Disabled
75 King Street South
Suite 7, Lower Concourse
Waterloo, Ontario, Canada N2J 1P2
519/885-6640
Provides physically disabled individuals with opportunities for hands-on computer experience and up-to-date information on computers and technical aids or devices.

Arkansas Rehabilitation Research and Training Center in Vocal Rehabilitation
Publications Department
P.O. Box 1358
Hot Springs, AR 71902
501/624-4411
Free description of research reports, reference materials, and training programs published by the Center.

TASH (The Association for the Severely Handicapped)
7010 Roosevelt Way N.E.
Seattle, WA 98115
206/523-8446

NASDSE (National Association of State Directors of Special Education)
2021 K Street NW
Suite 315
Washington, DC 20006
202/296-1800

Special Education Software Center
Building B, Room S312
333 Ravenswood Avenue
Menlo Park CA 94025
800/327-5892 (software information)
800/223-2711 (technical assistance)
800/435-7639 (TTY)
Sponsored by the U.S. Department of Education, Special Education Programs, Division of Educational Services

LINC Resources, Inc.
3857 N. High Street
Columbus, OH 43214
614/263-5462
A market linkage special education project, LINK receives Office of Special Education Program products, evaluates them for commercial and not-for-profit distribution potential, and assists developers in marketing. Examples: "We Are One," a video to increase sensitivity between physically handicapped and nonhandicapped persons; "Education, Career Development and the Physically Disabled;" "It Takes All Parts," a manual of activities for severely disabled and sensory impaired preschoolers; "Optacon Instruction Manual For Children;" "Yes, You Can! The Severely Communicatively Impaired Child in the Classroom," including 14 videotapes and manual.

Educational Resources Information Center (ERIC)
Ted Brandhorst, Director
National Institute of Education
Office of Educational Research and Improvement
555 New Jersey Avenue, NW
Washington, DC 20208-1235
202/357-6289 (management)
Education; collects and disseminates educational documents to teachers, administrators, researchers, students and other interested persons. Consists of 16 clearinghouses located across the country, each specializing in a particular subject area related to education.

NARIC – National Rehabilitation Information Center
8455 Colesville Road
Suite 935
Silver Spring, MD 20910
(301) 588-9284
800/34-NARIC
NARIC is a rehabilitation information service research library funded by the National Institute of Disability and Rehabilitation Research, U.S. Department of Education, to provide access to NIDRR and RSA (Rehabilitation Services Administration) funded reports and information on assistive devices, and to disseminate other rehabilitation related information resources.

Project Threshold
Rancho Los Amigos Hospital
7601 East Imperial Highway
500 HUT
Downey CA 90242
213/940-8116
Provides assessments & evaluations for the physically disabled, including disabilities resulting from spinal cord injuries.

Assistive Device Information Network
Division of Developmental Disabilities
University Hospital School
Iowa City IA 52242
319/356-0768

Indiana Department of Education
Instructional Materials Center/Handicapped
Special Education
229 State House
Indianapolis IN 46204
317/269-9441
Maintains an up-to-date listing of adaptive devices and service providers in Indiana.

Missouri LINC
Assistive Devices Service
609 Maryland
Columbia MO 65211
800/392-0533 (in Missouri)
314/882-2733
Provides information, technical assistance, inservice, and materials pertaining to vocational education for individuals experiencing handicaps. The Assistive Device Service provides information on adaptive equipment (computer access, switching devices, communication aids, low-cost adaptations) for persons with handicaps in Missouri.

PAM – Physically Impaired Association
Assistance Center
601 W. Maple
Lansing MI 48906
800/426-7426 (in Michigan)
517/371-5897
Provides information and technical assistance to disabled individuals and service providers in the selection, development or adaptation of devices.

Center for Special Education Technology
Council for Exceptional Children (CEC)
1920 Association Drive
Reston VA 22091
703/620-3660
800/345-TECH
Special education group gathers and publishes information on handicapped children.

Division for Disorders of Development and Learning
University of North Carolina at Chapel Hill
Biological Sciences Research Center 220 H
Chapel Hill NC 27514
919/966-5171 (clinic)
National diagnostic & treatment center. Provides evaluations in many areas, including augmentative communication.

Exceptional Technology
9220 SW 52 Terrace
Miami FL 33165
305/274-3501

MECC
(Minnesota Educational Computing Corporation)
3490 Lexington Avenue North
St. Paul, MN 55126
612/481-3500

Project Learning Programs, Inc.
P.O. Box 2002
Chico CA 95927
916/893-4223

TAM
(Technology and Media for Exceptional Individuals)
Institute for the Study of Exceptional Children
Department of Special Education
University of Maryland
College Park MD 20742

DCCG Resource Center
(Disabled Children Computer Group)
2095 Rose St.
Berkeley, CA 94709
415/841-DCCG
Offers to loan adaptive software and hardware. Also has adaptive equipment on display with demos available for families and teachers. Services also include a toy lending library, for adaptive toys.

RESNA (Assocation for the Advancement of Rehabilitation Technology)
Suite 700
1101 Connecticut Avenue, NW
Washington, D.C. 20036
202/857-1199
This organization is concerned with the exploitation of science and technology in rehabilitation. Its membership includes rehablilitation professionals, providers, and consumers. Some of RESNA's goals are to promote interaction between the above groups, improve the quality of life for disabled people through the application of science and technology, and to influence policy relating to the delivery of technology to disabled people.

International Society for Augmentative and Alternative Communication (ISAAC)
P.O. Box 1762
Station R
Toronto, ON M4G 4A3
CANADA
This association's purpose is to advance augmentative and alternative communication, exchange information, and focus attention on work that is currently being conducted in the field.

Project ACT
27 Horrabin Hall
Western Illinois University
Macomb IL 61455
309/298-1072
ACT trains special education teachers in computer applications.

National Information Center for Handicapped Children and Youth
P.O. Box 1492
Washington DC 20013
703/522-3332
Prepares News Digest, Transition Summary, and fact sheets. Responds to information requests and provides names of local resources.

Computer Foundation for Handicapped Children
2645 East Southern A326
Tempe, AZ 85282
602/831-3519
Organization to provide computer programs and computers to needy handicapped children and adults whose ability to communicate is either nonexistent or severely limited.

Trace Research and Development Center on Communication, Control, and Computer Access for Handicapped Individuals
1500 Highland Avenue
S-151 Waisman Center
Madison WI 53705
608/262-6966
608/263-5408 (Information Resources)
The Trace Center is a federally funded, non-profit organization which conducts research into the ways technology can help people with disabilities, particularly in the areas of communication, control and computer access. Services include up-to-date product listings in many areas of adaptive equipment, and dissemination of information on products and service providers. Free listing of research reports and reference materials published by the center: ask for "Information Available" Brochure.

CITH
(Center for Innovation in Teaching the Handicapped)
Indiana University
2805 East 10th Street
Room 150
Bloomington IL 47405
812/335-5847
A research and information center for new teaching materials in special education.

Sector Project
Special Education Communication Technology On-Line Resource
U.M.C. 68
Utah State University
Logan, UT 84322
801/753-7973
801/750-2087
A computerized listing of special education resources and reviews of Computer Assisted Instruction materials. The Sector project has been discontinued, but will continue to distribute information on resources available to the physically handicapped.

Compute Able Network
Kevin Mills, Dennis Kviz
P.O. Box 1706
Portland OR 97207
503/644-2940
This organization provides information, training, problem-solving sessions, individual consultations, field testing, market research, conferences, and vendor training.

Videotapes on Augmentative Communication and Computer Access

This list was originally prepared for the Trace ResourceBook Series by Beverly Vicker at the Institute for the Study of Developmental Disabilities, Indiana University. The list has been updated by the Trace Center for ResourceBook 4. All of the tapes listed in this bibliography have not been personally reviewed, so the information in the abstract reflects, in many cases, a description of content by the producing organization. Much of the information was gathered through telephone contacts. An apology is extended to any individual or organization whose video production(s) were overlooked and subsequently not listed. Please send the appropriate information to the Trace Center for inclusion on future lists.

Symbol Boy
Blissymbolics Communication Institute
VHS; 5 minutes
Lauren Productions
56 Shaftsbury Avenue
Toronto, Ontario, Canada M4T 1A3
This animated video demonstrates the usage of Blissymbols for preschoolers.

ID #VT-3
Prentke Romich Company
VHS; 55 minutes
Prentke Romich Company
1022 Heyl Road
Wooster, OH 44691
216/262-1984
Prentke Romich is a distributor of training tapes, including the use of electronic communication aids. Contact Prentke Romich for a current listing of video tapes, as revisions of the current library are in progress (summer 1987).

Access
Free loan; 10 minutes 45 seconds
Apple Computer, Inc.
Office of Special Education
20525 Mariani Avenue
Cupertino, CA 95014
408/973-3854
A demonstration of how computers are affecting the lives of disabled children and adults.

PM Magazine's "Jim Brooks"
PM Magazine
1981
VHS, 3/4"; 6 minutes
Artificial Language Laboratory
405 Computer Center
East Lansing, MI 48824-1042
This tape segment shows an interview with Jim Brooks, who was a client at the Artificial Language Laboratory. The tape is available as a separate tape or on combination tape with "Finding a Voice" and "A Gift for Serena."

Minspeak
Council for Exceptional Children
1984
VHS; 17 minutes
Prentke Romich Company
1022 Heyl Road
Wooster, OH 44691
216/262-1984
Bruce Baker, the linguist who developed Minspeak, is interviewed about the conceptual development of it. (On tape with VT-1 with the Lainey System and "A Special Magic."

Lee Kweller's Bar Mitzvah
CNN/TV and NBC
1985
VHS, 3/4"; 10 minutes
Artificial Language Laboratory
405 Computer Center
East Lansing, MI 48824-1042
This tape consists of several short clips of tapes that appeared on the above listed TV networks. The tapes include an interview with Lee and his mother, and shows him using his voice output communication device at his Bar Mitzvah.

K6124-Sattelite Teleconference
VHS, 3/4"; 3 tapes
Great Plains National Instructional TV Library
P.O. Box 80669
Lincoln, NE 68501
800/228-4630
Need close-caption.

Lainey
University of Tennessee
1985
VHS; 13 1/2 minutes
Prentke Romich Company
1022 Heyl Road
Wooster, OH 44691
216/262-1984
The tape shows an integrated system of technical aids in the areas of communication, computer access and mobility. The system is in use by Lainey Marty, a sixteen-year-old public school student. On tape VT-1 with "A Special Magic" and Bruce Baker on Minspeak. Tape also available in 3/4" or 1/2" tape from University of Tennessee Rehabilitation Department, 682 Court Avenue, Memphis TN 38163.

Eye Scan
Artificial Language Laboratory
1984
VHS, 3/4"; 30 minutes
Artificial Language Laboratory
405 Computer Center
East Lansing, MI 48824-1042
This video documents the evaluation of a 6-year-old using an eye scanning device.

Disabled Access to Technological Advances
Access to Independence, Inc.
1986
VHS, Beta; 23 minutes
Access to Independence, Inc.
1954 East Washington Avenue
Madison, WI 53704
608/251-7575
This videotape shows how computer technology can be used to enhance employment options in a variety of fields for persons with severe physical disabilities. Featured are three people using computer technology to help achieve their employment goals: a counselor using computer retraining drills and training in word processing; a planner using a lap computer with a speech synthesizer for communication and as a keyboard emulator to access the office computer; a law student describing how word processing and access to legal databases will make him more productive.

Bilingual Augmentative Communication by a Cerebral Palsied Adolescent
Brown Center for Alternative Communication and Environmental Control
1984
3/4"; 12 minutes.
Research Dissemination, Education and Training
Rehabilitation Institute of Chicago
345 E. Superior Street
Chicago, IL 60611
312/908/6184
Can also be available in 1/2" format with sufficient advance notice. This videotape focuses on a unique solution to a cerebral palsied adolescent's need and desire to communicate to his friends in Spanish as well as in English via his newly acquired electronic communication device with synthesized speech. It encompasses not only the evaluation and selection procedure for use and prescription of the communication system, but also the hierarchy involved in the training stages.

Five Augmentative Communication Training Strategies for Fostering Early Communicative Interactions.
VHS, 1/2", 25 minutes
1987
Mary Blake Huer and
Katherine Priddy Stewart
University of Wisconsin-Whitewater
Department of Communication/Communicative Disorders
Roseman 1020
Whitewter, Wisconsin 53190
414/472-1485
A videotape presented at the 1987 ASHA convention. The objective of this videotape is to demonstrate the effectiveness of five training strategies for fostering early communicative interactions. The videotape provides a "how to" demonstration of the specialized therapeutic procedures recently published in augmentative communication. Actual videotaped segments from pre- and post- treatment with children having different diagnoses are presented for practitioners to "see" what is written in the textbook. References for each strategy, goals for the treatment presented, and other resources are provided for viewers.

A Special Magic
University of Tennessee Rehabilitation Engineering Center
1979
VHS; 20 minutes.
Prentke Romich Company
1022 Heyl Road
Wooster, OH 44691
216/262-1984
or from the REC at Memphis, 682 Court, Memphis TN 38163, 901/528-6445.
This tape shows Lainey Martz from the videotape "Lainey" as a nine-year-old. The central theme of the tape involves an introduction to the field of rehabilitation engineering. This tape may be out-of-date, please contact distributor for further information.

A Gift for Serena
WDIV TV, Detroit
1982
VHS, 3/4"; 20 minute
Artificial Language Laboratory
405 Computer Center
East Lansing, MI 48824-1042
This tape documents the search of a family for a communication enhancement system for 9-year-old Serena. John Eulenberg describes the various approaches taken at the Artificial Language Laboratory to help provide Serena with an augmentative means for communication. The tape is available separately or on a combination tape with Nova's "Finding a Voice," (a BBC documentary on the Artificial Language Laboratory) and PM Magazine's segment on Jim Brooks.

To Say I Am
KOCE TV; Judy Montgomery, Consultant
1980
VHS, Betamax, 3/4"; 30 minutes
Lawren Productions, Inc.
P.O. Box 666
Mendocino, CA 95460
This tape originally aired on PBS stations as a general public awareness tape. It includes a 20-page viewers guide. It presents introductory information about assessment and programming, and depicts some augmentative communication devices such as the ZYGO 100. The tape was made at Plavan School, Anaheim, California.

To Be Like Anyone Else
Crippled Children's Hospital and South Dakota Dept. of Education
1984
VHS, 3/4"; 29 minutes
Speech Department
Crippled Children's Hospital and School
2501 West 26th Street
Sioux Falls, SD 57105
This video demonstrates the usage of augmentative communication devices by multiply handicapped children in a variety of real-life situations.

Talk Is Not a Four-Letter Word
Sally Blackstone and Lucinda Cassatt-Jones
1986
VHS, 3/4"; 16 minute
Publications Department
American Speech-Language Hearing Association (ASHA)
10801 Rockville Pike
Rockville, MD 20852
301/897-5700
This video presents an overview of the area of augmentative communication and illustrates the diversity of individuals with severe expressive communication disorders, and the variety of techniques, strategies and aids used to circumvent the communication problem. An instructional guide is also included.

System for Augmentative Communication
Elaine Heaton and Barbara Strohback
VHS, Beta, 3/4"; 57 minutes
Purchase only:
VTI (Voice Tapes, Inc.)
The target audience for this tape, which includes a packet of discussion materials, includes pre-service students and professionals with minimal exposure to this area. The content includes a discussion of systems for augmentative written and spoken communication as well as a discussion of low technology systems and a philosophical overview of concepts involved in augmentative programming.

Personal Computing: Help for the Handicapped
Paul Hazan
1981
3/4", VHS, Betamax
Paul Hazan
Applied Physics Laboratory
Johns Hopkins Road
Johns Hopkins University
Laurel, MD 20707
301/953-5364
This captioned tape outlines the potentials of the microcomputer to aid blind, deaf, and physically disabled individuals in everyday situations. A brief review of microcomputer uses is presented.

Personal Computing: Help for the Handicapped--The National Fair
Paul Hazan
1981
Betamax; 9:41 minutes
Paul Hazan
Applied Physics Laboratory
Johns Hopkins Road
Johns Hopkins University
Laurel, MD 20707
301/953-5364
This is a videotape of the 1981 Johns Hopkins University National Fair. The tape includes demonstration of an eyetracker communication system, a pocket telecommunicator for the deaf, LipReader/Trainer program package, a reading machine for the blind and dyslexic, a motor handicapped support system, programs for the learning disabled, Microbraille system (a software program).

Now I Can Speak
Blissymbolics Communication Institute
1981
VHS, Beta; 20 minutes
Lauren Productions
56 Shaftsbury Avenue
Toronto, Ontario, Canada M4T 1A3
The videotape shows the versatility of communication and interaction styles of adults and children who use Bliss symbols. Fourteen different variations of use are shown, i.e., use of eye gaze, use with signing, etc.

Hullaballo at High Rock
Crippled Children's School and Hospital
1986
VHS, 3/4"; 12 minutes
Speech Department
Crippled Children's Hospital and School
2501 West 26th Street
Sioux Falls, SD 57105
605/336-1840
This videotape demonstrates the creative process of producing a play by communication handicapped children using augmentative devices. The tape shows the students and interviews with the various service staff who were involved in the process.

Mr. Symbol Man
Canadian Broadcasting System (Consultant, Shirley McNaughton)
1975
VHS, Beta; 50 minutes
National Film Board of Canada
1251 Avenue of the Americas
New York, NY 10020
Also from: Benchmark Films, Inc.
145 Scarborough Road
Briarcliff Manor, NY 10510
The video describes the life and work of Charles K. Bliss. It also shows segments demonstrating Bliss symbol users during the early stages of the Ontario Crippled Children's Centre Project.

Dependence to Independence
Elaine Trefler, University of Tennessee Rehabilitation Engineering
1986
VHS, Beta, 3/4"; 15 minutes
Association for Advancement of Rehabilitation Technology (RESNA)
Suite 700
1101 Connecticut Avenue NW
Washington, DC 20036
202/857-1199
This videotape presents a broader view of rehabilitation technology as it applies to communication, etc. An overview of nation-wide research projects and service related issues are presented.

From Silence to Solist
1982
VHS, 3/4"; 27 minutes
Media Resource Center
Meyers Children's Rehabilitation Institute
444 S. 44th Street
Omaha, NE 68131
402/559-7467
This videotape follows the development of communication skills, both oral speech and augmentative skills, of a boy from age 4 to age 11. The tape demonstrates for parents, etc., that the use of augmentative devices, neither manual communication boards nor electronic devices, prevent the child from developing oral speech skills that are possible within the parameters of his neurological abilities.

Finding a Voice
Nova Series
1982
3/4", VHS, Betamax; 60 minutes
Time-Life Videos
WGBH Educational Foundation
100 Eisenhower Drive
Paramis, NJ 07652
This tape shows several augmentative system users. The focus of this tape is on the development of one system for an individual, and a demonstration of it. A description of other systems is presented, as well as an interview with John Eulenberg.

Augmentative Communication Training: Action Modules
VHS, 6 tapes; 20-30 minutes each
1987
Dr. Albert Cook
Assistive Device Center
650 University Ave.
Suite 101B
Sacramento, CA 95825
916/924-0280
This will be commercially available by the spring of 1988; the distributor has not yet been identified. A companion syllabus will accompany each of the six tapes in this series. The tapes will cover the topic of an overview of the field of augmentative and alternative communication, evaluation of physical, cognitive, and language abilities, decision-making, i.e., achieving an interface between needs and abilities, different types of options, and training clients to use a system.

Aaron
1984
AESIR Software Engineering
P.O. Box 5383
Pinedale, CA 93650
Jacqueline Able, director of Speech Pathology at St. Agnes Hospital, Fresno, California, discusses different needs for augmentative communication systems within the hospital for both short-term and long-term patients. Steve Able, a software engineer for Aesir software engineering, demonstrates the Aaron software system, which runs on an IBM/PC and presents a scanning keyboard screen. The user must be able to control a switch; the program "learns" from past experience (i.e., user's language style). The software package is $350.00

BreakThru
Blissymbolics Communication Institute
1981
VHS; 50 minutes
Lauren Productions
56 Shaftsbury Avenue
Toronto, Ontario, Canada M4T 1A3
This video documents the lives of three nonspeaking persons within the context of their families and/or residential/educational facility. Although all three people (a 9-year-old, an 18-year-old, and a 30-year-old) use Blissymbols this is incidental to the thrust of the videotape.

Computer Access for Disabled Individuals
Trace R&D Center
1986
VHS; 16 minutes; $15.00
Trace R&D Center
S-151 Waisman Center
1500 Highland Avenue
Madison, WI 53705
608/262-6966
This open captioned videotape demonstrates current computer access techniques for physically disabled, blind, and visually impaired individuals. The impact of the ability to use computers and the importance of ensuring easy access to future computer systems is discussed. Prepared for the NIHR-OSERS Initiative on Computer Access.

Computer Programmer Training for the Handicapped
TODDCOMP
1979, 1983
VHS, Betamax, 3/4"; 24 minutes
Dr. Wilson
TODDCOMP
108 Whitten Hall
University of Missouri Extension
Columbus, Missouri 65211
314/882-2394
This tape is directed at business and industry employers, demonstrating the qualifications of the disabled in the area of computer programming. It analyzes several training programs from candidate selection to job placement, emphasizing the goal of independence for the disabled. Attitudinal barriers, however, need to be changed, according to the text, so that the disabled can have appropriate opportunities for education and employment.

Feeling Free
$75.00/tape to purchase, $25.00 to rent
NCHRTM
Oklahoma State University
115 Old USDA Building
Stillwater, OK 74078
405/624-7650
6 1/2-videotapes to help others share the lives and feelings of handicapped children. Originally shown on public television.

Videotapes Available from IBM
IBM Special Education Programs
1300 Rockville Pike
Rockville Pike, MD 20852
301/897-3859
At My Fingertips (Telesensory Systems, Inc.); Equal to the Task (Telesensory Systems, Inc.); Here I Am: The International Games for the Disabled; IBM: Writing to Read; 1984 Easter Seal Computer Camp; Visualtek Product Demonstration Video

Autistic Education Program Videotape
1/2" VHS, $49.95
ASIEP Education Company
P.O. Box 12147
Portland, OR 97212
503/236-1317
A 25-minute color videotape showing how to teach nonverbal students using a communication focused language curriculum. Includes how to teach sign use, sign-speech procedures, how to teach sign and sound pairing, how to teach speech initiation, and how to use peer tutors.

Oh Say What They See: An Introduction to Indirect Language Stimulation Techniques
1/2" VHS, 1/2" Beta, 3/4"; $295.00
ASIEP Education Company
P.O. Box 12147
Portland, OR 97212
503/236-1317
Animation and adult/child interactions are used to explain and demonstrate indirect language stimulation techniques. Model training sessions show staff, parents, and adult caregivers how to incorporate techniques with daily routines. A viewer's guide reviews each language development technique demonstrated in the videotape.

Information Resources for Deaf and Hearing Impaired Individuals

The following list contains information resources for people who are deaf or hearing impaired: books and printed materials, organizations, newsletters and periodicals, and companies. Check other lists in Appendix A for further information. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Books and Other Printed Materials

A Catalog of Captioned Educational Videotapes
National Technical Institute for the Deaf (NTID)
Rochester Institute of Technology
Division of Public Affairs, Department V
One Lomb Memorial Drive
P.O. Box 9887
Rochester, NY 14623-0887
716/475-6400

Computer Terminology Volumes 1-3
National Association of the Deaf
814 Thayer Avenue
Silver Spring, MD 20910
Three video tapes on computer terminology. More than 600 signs are contained on the tapes.

Signs for Computer Terminology manual
National Association of the Deaf
814 Thayer Avenue
Silver Spring, MD 20910

College and Career Programs for Deaf Students
$5.00 (1 to 4 copies)
Gallaudet College
Center for Assessment and Demographic Studies
Kendall Green
Washington, DC 20002
202/651-5400
A guide to evaluating college programs, and information on more than 130 programs, including available support services.

Organizations

National Association of the Deaf
814 Thayer Ave.
Silver Spring, MD 20910
301/587-1788 (voice and TDD)

National Technical Institute for the Deaf (NITD)
Rochester Institute of Technology
Division of Public Affairs, Department V
One Lomb Memorial Drive
P.O. Box 9887
Rochester, NY 14623-0887
716/475-6400
The world's largest technical college for deaf students, offering the opportunity for deaf students to go to college in a hearing environment to facilitate transition to a hearing society (15,000 hearing students; 1,250 college-age deaf students). Funded by the U.S. Department of Education.

Learning Resources Center
Model Secondary School for the Deaf
800 Florida Avenue NE
Washington, DC 20002
202/651-5333
Serves as an evaluation information clearinghouse and lending library of microcomputer software. Services available to schools and programs involved with the education of hearing impaired students.

Alexander Graham Bell Association for the Deaf
3417 Volta Place NW
Washington, DC 20007
202/337-5220
National organization offering support services to deaf individuals.

National Information Center on Deafness
Gallaudet College
800 Florida Avenue
Washington, DC 20002
202/651-5109
Provides either direct information or appropriate references to deaf or hearing impaired individuals. The center also publishes brief bibliographies and narrative fact sheets on requested topics free of charge.

Newsletters and Other Periodicals

The Voice
11931 N. Central Express Way
Suite 11
Dallas, TX 75243
214/490-0860 (voice or TDD)
National bimonthly publication. Information for hearing impaired people on adaptive devices and computer access equipment selection.

Metro-Voice
11931 N. Central Express Way
Suite 11
Dallas, TX 75243
214/490-0860 (voice or TDD)
Local publication for hearing impaired people.

Shhh (Self-Help for Hard of Hearing People)
7800 Wisconsin Avenue
Bethesda, MD 20814
301/657-2248 (voice)
301/657-2249 (TTY)
Bimonthly. A journal about hearing loss. Including educational reports and case studies.

American Annals of the Deaf
800 Florida Avenue NE
Washington, DC 20002
202/651-5342
Journal for professionals working with deaf and hearing impaired individuals.

Hearing Instruments
131 West First Street
Duluth, MN 55802
Monthly business publication containing information on research and products designed to assist persons with hearing loss.

Newsounds
Alexander Graham Bell Association for the Deaf
3417 Volta Place NW
Washington, DC 20007
202/337-5220
Newsounds is a newsletter for deaf and hearing impaired individuals that is published alternately with the Volta Review (see below). It contains information on conferences concerning microcomputers.

Volta Review
Alexander Graham Bell Association for the Deaf
3417 Volta Place NW
Washington, DC 20007
202/337-5220
This journal for hearing impaired people reports on a variety of technology-related topics and issues.

Companies

American Communications Corporation
180 Roberts Street
East Hartford, CT 06108
203/289-3491
Manufacturer of TDD's (Telecommunication Devices for the Deaf) and signalling devices for deaf and hearing impaired people.

Audio Tone Company
2422 West Holly
Phoenix AZ 85009
(602) 254-5888
Manufacturers a TDD that responds to touch tone signals from caller.

Garid
10180 Viking Drive
Eden Prairie, MN 55344
612/941-5464
800/328-4827, ext. 1400
Medical products distributor; manufactures voice output TDD.

The Deaf Factory Store
5010 Branchville Road
College Park, MD 20740
301/821-9137
301/722-2493 TDD
Products include computer and TDD software.

Integrated Microcomputer Systems, Inc.
#2 Research Place
Rockville MD 20850
(301) 948-4790, TDD (301) 869-6391
Manufacturers hardware and software for TDD communication via IBM-PC computer.

Krown Research, Inc.
10371 W. Jefferson Boulevard
Culver City, CA 90232
213/641-4306 (Voice/TDD)
Manufacturer of TDD's and a TDD computer modem.

Palmetto Technologies
P.O. Box 498
Duncan, SC 29334
803/576-2886 (Voice or TDD)
Manufacturer of assistive devices for the hearing impaired, including a model of TDD.

Phone Care
881 Stoneman Way
El Dorado Hills CA 95630
(916) 933-0446
Distributor of TDD's and manufacturer of a TDD computer modem.

Precision Controls, Inc.
P.O. Box 45
Haskell NJ 07465
(201) 835-5000
Manufacturer of TDD's and signalling devices.

Specialized Systems, Inc.
6350 Varrow Drive
Suite B
Carlsbad, CA 92009
619/438-880
Manufacturer of TDD's.

Telesensory Systems, Inc.
455 North Bernardo Avenue
P.O. Box 7455
Mountain View CA 94039
(415) 960-0920
Makes a TDD for deaf-blind individuals.

Ultratec, Inc.
6442 Normandy Lane
Madison, WI 53719
608/273-0707
Manufacturer of TDD's.

Information Resources for Blind and Visually Impaired Individuals

This list contains useful sources of information for blind and visually impaired computer users. The list is divided into four sections: Books and Publications, Newsletters and Other Periodicals, Organizations, and Companies. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Books and Publications

Touch Toys and How to Make Them
1984
$3.00 + .60 for postage
Touch Toys
P.O. Box 2224
Rockville, MD 20852
This is an instruction book on how to make over 100 toys for the blind. Checks payable to: Touch Toy.

Computer Equipment and Aids for the Blind and Visually Impaired
Computer Center for the Visually Impaired
Baruch College
17 Lexington Avenue
Box 515
New York, NY 10010
The result of eight years' experience educating blind and visually impaired students in computer technology, the book lists hardware, software, peripherals, researchers, training, and demonstration centers, products in development, and a checklist of technical considerations and advice on how to select equipment appropriate to specific needs.

The Future of Work for Disabled People: Employment and the New Technology
$10.00 print or cassette
Publications and Information Services
American Foundation for the Blind
15 West 16th Street
New York, NY 10011
A compilation of papers presented at the May, 1985 symposium of the same name, cosponsored by AFB and the President's Committee on Employment of the Handicapped.

The Ultimate Guide: Peripherals for Blind Computer Users
$16.95 braille and cassette, $19.95 print
National Braille Press
88 Saint Stephen Street
Boston, MA 02115
Assists in selecting peripherals for blind computer users: modems, braille printers, inkprint printers, speech synthesizers, paperless braille devices, odds and ends.

The Resource Manual, 2nd Edition
Project CABLE
(Computer Access for the Blind in Education and Employment
$25.00
The Carroll Center for the Blind
Project CABLE
770 Centre Street
Newton, MA 02159
This manual includes curriculum, evaluation forms, lesson plans and resources to assist in setting up or running a program. Other topics covered include funding and staffing.

The First and Second Beginner's Guides to Personal Computers for the Blind and Visually Impaired
The National Braille Press
88 Saint Stephen Street
Boston, MA 02115
617/266-6160
The basic concepts, and reviews of popular systems by blind users. The second Guide is a continuation, not a replacement of the first.

How Can We Compute?
Kathe Nolan
$14.95
VTEK
1625 Olympic Blvd.
Santa Monica, CA 90404
800/345-2256
(CA)800/521-5605
Canada, Alaska 213/452-5966
Cassette recordings of eight half-hour radio segments on the subject of computer access & adaptive devices for blind & visually impaired people. The series is directed toward the beginning, elementary-level computer user & will cover basic principles of computer use. Moderated by Jerry Kuns, program director of C-T C (Computer Training and Evaluation Center).

Newsletters and Other Periodicals

Dialogue
Dialogue Publications
3100 Oak Park Avenue
Berwyn, IL 60402
312/749-1908
This publication, available in Braille, large print, cassette, or recorded disk carries columns that highlight computer and access technology for blind and visually impaired persons.

News & Views, RE NEWS
VTEK
1625 Olympic Blvd.
Santa Monica, CA 90404
213/452-5966

Journal of Visual Impairment and Blindness
Circulation Manager
JVIB
15 West 16th Street
New York, NY 10011
Monthly, Sept-June; Research reviews, applications, and articles on special topics.

The Communicator
Route 4, Box 26
Hillsville, VA 24343
703/766-3869
A bimonthly newsletter designed to provide information to teachers of the visually handicapped. Emphasis is on advances in technology and how they are being used. Includes teaching hints, software reviews, user comments, and suggestions. Available in large or regular print or on tape

Tactic
Clovernook Printing House for the Blind
600 Hamilton Avenue
Cincinnati, OH 45231
(513) 522-3860
International quarterly published in braille; offers information and reviews on technology for visually impaired people.

Raised Dot Computing Newsletter
David Holladay/Caryn Navy
408 South Baldwin Street
Madison, WI 53703
608/257-9595 general
608/257-8833 technical
Monthly; explores microcomputer applications for the visually impaired.

Microcomputer News for Teachers of Blind Students
Catherine Mack
Florida School for the Bind
207 N. San Marco
St. Augustine, FL 32084
904/824-1654

Talking Book and Braille Book Review
Library of Congress
Washington, DC 20542
Contains descriptions of books newly printed in Braille and a list of Braille magazines. Talking Book Topics is published bimonthly and distributed free to blind and physically impaired individuals.

Library of Congress
National Library Service for the Blind and Physically Handicapped
1291 Taylor Street
Washington, DC 20542
202/287-9281
Bimonthly. Free to the blind.

Aids and Appliances Review
Carroll Centre for the Blind
770 Centre Street
Newton, MA 02158
617/979-6200
Quarterly; a comprehensive review of aids for the blind. Issues 9 and 10 covered voice output computer aids; Issue 11 covered braille oriented computer aids.

Softdisk Magazette
P.O. Box 30008
Shreveport, LA 71130
318/221-8718
A magazine on Apple disks; features articles and programs, most usable with the Echo II speech synthesizer.

Apple Talk
Jeff Weiss
$15.00/year
3015 South Tyler Street
Little Rock, AR 72204
A quarterly magazine, available on disk, for computer users with speech synthesizers.

Technology Update
Sensory Aids Foundation
399 Sherman Avenue, Suite 12
Palo Alto, CA 94306
415/329-0430
Bimonthly Newsletter with information regarding technology and vision impairment. Includes new product announcements, product reveiws and consumer information

D-SNUG Newsletter
The Boston Computer Society
One Center Plaza
Boston, MA 02108
Newsletter of the Disabled/Special Needs Users Group.

The Visual Field
Florida Instructional Materials Center
5002 North Lois Avenue
Tampa, FL 33614
813/876-5016
Quarterly newsletter on products, projects, conferences, etc.

AFB News
American Foundation for the Blind
15 West 16th Street
New York, NY 10011
212/620-2020
Monthly publication. Information on the field of blindness and low vision.

Journal of Visual Impairment and Blindness
American Federation for the Blind
15 West 16th Street
New York, NY 10011
212/620-2020
Monthly September-June

Organizations

Sherry Lowry
SPEECH Enterprises
P.O. Box 7986
Houston, TX 77270
713/461-1666
Distributes and develops large print and voice output software for other products. Special Apple Speech - Large Print Resource List is available for $10.00. Catalog of products available for $3.00 print, $5.00 disk, and $7.50 Braille.

American Printing House for the Blind
P.O. Box 6085
Louisville, KY 40206
502/895-2405
Producers of software for visually handicapped children below college level. APH also published User Manuals in Braille for Apple computers.

New England Institute of Sensory Science
71 Pleasant Street
Worcester, MA 01609
617/791-4303
Technology information service offering practical up-to-date information on the latest sensory aids, agencies, organizations and vendors who are of service to those with major hearing or vision loss.

American Council of the Blind
1010 Vermont Avenue NW
Suite 1100
Washington, D.C. 20005
202/393-3666
Free computer resource list about various devices and where to buy them. Fifteen mail-order houses from which to purchase special-needs equipment.

American Foundation for the Blind15 West 16th Street
New York, NY 10011
212/620-2000
Two free catalogs including books, periodicals and public information material on educational policy, social and research aspects of blindness and visual impairment.

Associated Services for the Blind
919 Walnut Street
Philadelphia, PA 19107
215/627-0600
*Publishes a free catalog of items available in their store Sense*Sations. The store has a full line of vision aids, electronic devices, kitchen aids and recorders. This organization also has their own radio station providing news and information to listeners.*

Texas Commission for the Blind
Criss Cole Rehabilitation Center
4800 North Lamar
Austin, TX 78756-3198
Technology training unit for blind clients and staff. This unit serves as a resource for obtaining information regarding technology for the blind.

Braille Institute
741 No. Vermont Avenue
Los Angeles, CA 90029
213/663-1111
This organization acts as a technological resource center for both visually and physically handicapped individuals.

Braille Board
Nick Dotson
904/432-0894
A computer bulletin board oriented toward blind computer users.

Home Study Computer Literacy Course
Hadley School for the Blind
700 Elm Street
Winnetka, IL 60093
800/323-4238
(In Illinois, 312/446-8111)

C-TEC (Computer Training and Evaluation Center)
Sensory Aids Foundation
399 Sherman Avenue, Suite 12
Palo Alto, CA 94306
415/329-0430
Teaches blind and visually impaired persons to use computer access devices. Provides a center for equipment, resource lists, purchasing guidelines and evaluations of specialized hardware and software.

National Association of Blind and Visually Impaired Computer Users
P.O. Box 1352
Roseville, CA 95661-1352
916/786-3923 (modem)
916/783-0364 (voice)
A nonprofit, charitable corporation acting as a information resource and a forum for blind and visually impaired computer users, manufacturers, self-help groups, the blind community, and other interested parties. Has developed the International Blind Users Group; runs CompuHelp database and bulletin board.

National Technology Center
John DeWitt, Evaluation Coordinator
American Foundation for the Blind
15 West 16th Street
New York, NY 10011
212/620-2051
Evaluates products; user network; database information. A resource for blind and visually impaired persons and involved professionals.

The Carroll Center for the Blind
770 Center Street
Newton, MA 02158
617/969-6200
Various publications; computer training (Project Cable) and other educational programs.

Computer Users of America
Duane Fischer
5028 Merit Drive
Flint, MI 48506
313/736-3774

4 Sights Network
National Information System for the Visually Impaired
16625 Grand River
Detroit, MI 48227
313/272-3900

Audio-Tech Laboratories
Larry Skutchan
P.O. Box 6959
Louisville, KY 40206
502/896-1288
General computer magazine for blind computer users.

Low Vision Services & Aids for the 80's
American Foundation for the Blind
15 West 16th Street
New York, NY 10011

Blind Apple Users Group
Helen Keller National Center
111 Middleneck Road
Sands Point, NY 11050
516/944-8900

Harvey Lauer
Blind Rehabilitation Technology Specialist
Blind Center
124 Veterans Hospital
Hines, IL 60141
312/343-7959
Information on various types of computer aids and their application.

Information on Blind Access
National Association for the Visually Handicapped
22 West 21st Street
New York, NY 10010
212/889-3141
Also a San Francisco office at 3201 Balboa Blvd. San Francisco, CA 94121.

National Braille Press, Inc.
88 S. Stephen Street
Boston, MA 02115
617/266-6160
Beginner's guide to personal computers, many printer and modem manuals transcribed in Braille.

National Federation for the Blind
Committee on Evaluation of Technology
1800 Johnston Street
Baltimore, MD 21230
301/659-9314
Evaluates current & proposed technology for the blind.

Sensory Aids Foundation
399 Sherman Avenue Suite 12
Palo Alto, CA 94302
415/329-0430
Compiles and publishes consumer information on technology, including computer adaptations, for blind and visually impaired people.

Smith-Kettlewell Eye Research Foundation
Rehabilitation Engineering Center
2232 Webster Street
San Francisco, CA 94115
415/561-1619
Research and development center whose products are not necessarily computer related; however, they have done some work on the development of computer access devices and computer-based toys.

Volunteer Braillists, Inc.
201 S. Gammon
Madison, WI 53717
608/833-1999
Will transcribe papers, books, etc. into Braille.

Associations, Advocacy Groups and Self-Help Groups

The groups and organizations listed below are concerned with the education, rehabilitation, and employment of severely disabled individuals. The list is not comprehensive: states and communities may have agencies that can provide some of the same information and services. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

A Chance to Grow
5034 Oliver Avenue North
Minneapolis, MN 55430
612/521-2266
(ACTG) is a parent self help organization dedicated to the rehabilitation of brain injured children, and offers a sensory-motor home treatment program.

The ALS Association
15300 Ventura Blvd. Suite 315
Sherman Oaks, CA 91403
818/990-2151
This national organization acts as a referral service for computers and computer assisted communication devices to ALS patients. Most such patients depend on computers to enable them to communicate with others.

American Academy for Cerebral Palsy and Developmental Medicine
2315 Westwood Avenue
P.O. Box 11086
Richmond, VA 23230
804/355-0147
Professional organization concentrating on the latest developments in the treatment of cerebral palsy.

Association for the Development of Computer-Based Education and Training
Western Washington University
409 Miller Hall
Bellingham, WA 98225
206/676-2860
Association for professionals involved in computer-based education and training. Membership benefits include annual conference, newsletter, quarterly journal and local chapters.

American Occupational Therapy Association
1383 Piccard Drive
Rockville, MD 20850
301/948-9626
AOTA is a nationwide organization of professionals concerned with all aspects of the occupational therapy field. The organization publishes the American Journal of Occupational Therapy.

ASHA (American Speech-Language-Hearing Association)
10801 Rockville Pike
Rockville, MD 20852
301/897-5700
ASHA is involved in a number of different applications of computer technology, including administrative, clinical, therapeutic, educational, and research-oriented.

Association of Electronic Cottagers
Organization designed to support people who work in their homes with personal computers. Members can obtain marketing assistance and business consultation. Information can be obtained electronically, via a modem, through CompuServe.

Association of Computer Educators, Inc.
751 Bard Avenue
Staten Island NY 10310
718/935-4030
New York state area. Facilitates information sharing, promotes equitable use of computers by all students. Serves as job placement organization for metropolitan area computer educators.

BMUG
1442 A Walnut Street #62
Berkeley CA 94709
Macintosh Users Group; one of the Group's SIGs is concerned with educational applications. $40/year; includes bi-annual newsletter, help-line.

Boston Computer Society
1 Center Plaza
Boston MA 02108
617/367-8080
Non-profit educators of those who use personal computers. Membership includes a newsletter, magazine, and access to various resources.

California Governor's Committee for Employment of the Handicapped
MIC 41
P.O. Box 942880
Sacramento CA 94280-0001
916/323-2545

Center for Computer Assistance to the Disabled (C-CAD)
P.O. Box 19129
Arlington, TX 76019
817/273-3964

Committee on Personal Computers and the Handicapped (COPH-2)
2030 W. Irving Park Road
Chicago IL 60618
Information and technical consultation.

Community Health Information Project (CHIP)
Dan Van Horn
Sensory Aids Foundation
399 Sherman Ave.
Suite 12
Palo Alto, CA 94306
415/329-0430

Connecticut Parent Advocacy Center
Mohegan Community College
Norwich, CT 06360
203/886-5250
This organization acts as a referral agency for people needing information about services for handicapped people.

Coordinating Council for Handicapped Children
20 East Jackson Blvd.
Room 900
Chicago, IL 60604
312/939-3513
Provides training programs on special education rights and services for parents and professionals.

Council for Exceptional Children
1920 Association Drive
Reston, VA 22091-1589
703/620-3660
The major national association of special education teachers, administrators, and university students training to be teachers. Publishes "Exceptional Children" and "Teaching Exceptional Children."

Disabled Children's Computer Group
2095 Rose St.
First Floor East
Berkeley, CA 94709
415/841-DCCG
Provides information and training in the area of computer use by disabled school children. Members have access to equipment.

Disabled Interest Group of the San Diego Computer Society (DIGSIG)
Milton Blackstone
1301 Dell Crest Lane
La Jolla CA 92037
619/459-8255 (Voice)
619/454-8078
Maintains 24 hour Bulletin Board which provides information on associations, agencies, and services for people with disabilities. Also features public domain files for downloading, listing of assistive devices and other computer accessing aids. Full message system online. No fees involved.

Easter Seal Systems
2023 W. Ogden
Chicago, IL 60612
312/243-8400
This organization sponsors grants for software development for disabled persons, and is developing regional adaptive device centers. Provides education, training, and discounts on selected computer systems.

Federation for Children with Special Needs
312 Stuart Street
Second Floor
Boston, MA 02116
617/482-2915
Coalition of parent organizations offering technical assistance and resource information on children with various disabilities.

Georgia Computer Programmer Group
2201 Glenwood Avenue SE
Atlanta, GA 30316
404/894-3972
404/874-8371
Train disabled to use computers, primarily for self-employment. Also will help disabled individuals find employment.

ISAAC (International Society for Augmentative and Alternative Communication)
P. O. Box 1762
Station R
Toronto, Ontario M4G 4A3
416/421-8377
The purpose of ISAAC is to advance the field of augmentative and alternative communication, to facilitate information exchange, and to focus attention on work in the field. Membership is international. Activities include binennial and regional conferences. Membership includes regular issues of "The ISAAC Bulletin" and reduced rates to ISAAC's official journal "Augmentative and Alternative Communication" and affiliated publications "Communication Outlook" and "Communicating Together".

Josephine Kretsch Brain Injury Resource Library
5034 Oliver Avenue North
Minneapolis, MN 55430
612/521-4245
A membership library offering reference and lending services on topics related to brain injury. Produces bibliographies, pathfinders, kits, and other materials.

LIFT, Inc.
350 Pfingsten
Suite 103
North Brook IL 60062
312/564-9005
Not-for-profit contract programming company that identifies, trains, and hires physically handicapped individuals for major corporations.

Muscular Dystrophy Association
810 7th Avenue
New York, NY 10019
212/586-0808
Provides services for disabled people interested in computer-generated music systems. Services include consulting and system set-up.

NAHSA (National Association of Hearing and Speech Action)
10801 Rockville Pike
Rockville, MD 20852
301/897-5700
A consumer advocacy group for speech and hearing impaired persons and for deaf persons.

National Down Syndrome Congress
1800 Dempster
Park Ridge, IL 60068-1146
800/232-6372 (outside Illinois)
312/823-7550
An organization of parents and professionals that provides information on services for persons with Down Syndrome.

National Head Injury Foundation, 333 Turnpike Road
Southboro, MA. 01772
617/879-7473

National Information Center For Children and Youth
P.O. Box 1492
Washington, D.C. 20013
703/522-3332
A free information service that assists parents, educators, care-givers, and others in ensuring that children and youth with disabilities have better opportunities.

National Parent Chain, Inc.
90 E. Wilson Bridge Road
Suite 297
Worthington, OH 43805
614/431-1911
This organization operates a SpecialNet Bulletin Board dedicated to information about special education.

National PC JR Users Group
P.O. Box 701618
Tulsa OK 74170
918/747-2208

National Spinal Cord Injury Association
149 California Street
Newton, MA 02158
617/964-0521
Provides information or referrals for the direct care of para- or quadriplegic persons. Publishes a variety of materials for rehabilitation professionals and persons with spinal cord injuries.

NSAC (National Society for Children and Adults with Autism)
1234 Massachusetts Avenue NW
Suite 1017
Washington, DC 20005
202/783-0125
NSAC is a national service and advocacy organization for people with autism. Special services are offered on a local level as well as public policy advocacy and information and referral services being offered on a national scale. This organization provides information relating to computers and autistic children.

Ohio Coalition for the Education of the Handicapped
933 High Street
Suite 106
Worthington, OH 43085
614/431-1307
Currently developing a statewide database of agencies serving handicapped children.

PACER
4826 Chicago Avenue South
Minneapolis, MN 55417
612/827-2966
PACER provides information, training and assistance to parents of handicapped children. Advice is offered in the areas of appropriate education and interpretation of legal rights.

Quadriplegics Communications Group, Inc.
407-333 Stradbrook
Winnipeg Manitoba R3L 0J5
This group is an organization representing and represented by Canadians with various disabilities. The group's goals include: access to technology, information, publishing, and public awareness for the disabled.

RESNA (The Association for the Advancement of Rehabilitation Technology)
Suite 700
1101 Connecticut Avenue, NW
Washington, D.C. 20036
202/857-1199
This organization is concerned with the exploitation of science and technology in rehabilitation. Its membership includes rehablilitation professionals, providers, and consumers. Some of RESNA's goals are to promote interaction between the above groups, improve the quality of life for disabled people through the application of science and technology, and to influence policy relating to the delivery of technology to people with disabilities. RESNA has a special interest group on computer applications.

SIGSPED
International Council for Computers in Education
1787 Agate Street
Eugene OR 97403-1923
503/686-4414
Special interest group for computers in special education.

Special Interest Group for Computers and Physically Handicapped (SIGCAPH)
c/o Association for Computing Machinery
11 West 42nd Street
New York NY 10036
212/869-7440
A quarterly publication. For information contact Ross Lambert, Chairperson, Wheaton, IL 312/462-4205.

TASH (The Association for Persons with Severe Handicaps)
7010 Roosevelt Way NE
Seattle, WA 98115
206/523-8446
Offers information on severe-profound disabilities (particularly severe retardation). Maintains an extensive bookstore of books and papers regarding persons with severe handicaps. Produces assistive devices.

VIEWPOINT
c/o Physically Handicapped Training Center
University of Pennsylvania
Philadelphia PA 19104
215/898-8108

Washington Apple Pi
8227 Woodmont Avenue
Suite 201
Bethesda, MD 20814
301/654-8060
Organization of Apple computer users who meet and discuss all aspects of Apple computers. Many of the topics are applicable to disabled individuals. The organization publishes Washington Apple Pi Journal.

Training Programs in Technology for Special Education

This list contains information on both degree programs and workshop/training opportunities in the area of computer applications for disabled persons. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

ACTT Curriculum (Activating Children Through Technology)
27 Horrabin Hall
Western Illinois University
Macomb, IL 61455
309/298-1014
Model demonstration project funded in 1983 to develop a microcomputer curriculum model for ages birth-6. Program uses computers and special peripherals for environmental control, communication, drawing, writing, and teaching.

Carroll Center for the Blind
770 Centre Street
Newton, MA 02158-2597
Annual summer training program for special educators (introductions to computers and access devices) and blind teenagers (word processing).

Center for Learning & Technology
State University of New York at Buffalo
217 Baldy Hall
Buffalo, NY 14260
716/636-2110
Incorporates an interdisciplinary approach to integrating new technology into education. Goals include investigating fundamental questions, constructing prototypes and establishing relationships between industry and education.

Computer and Information Science Department
University of Massachusetts
A305 Graduate Research Center
Amherst, MA 01003
413/545-2744
Conducts research in design of single-switch scanning systems. Involved in the development and application of microcomputer programs for single-switch scanning. Evaluates software systems for the disabled.

Computer Resource Center
207 N. San Marco Avenue
St. Augustine, FL 32084
904/824-1654, ext. 581
Provides computer training and technical support to teachers of blind students and teachers of deaf students.

Department of Special Education
David Malouf, Ph.D.
University of Maryland
College Park, MD 20742
301/454-6921
Computer technology in special education doctoral program.

Department of Special Education
Dr. Robert Kretschmer
Box 223
Teachers College
Columbia University
New York, NY 10027
212/678-3880
In cooperation with the College's Department of Communication, Computing, and Technology in Education, an M.A. in Learning Disabilities or Ed.D. in Special Education, involving the application and development of technology.

Department of Special Education
University of Arkansas-Little Rock
Dr. Calvin Jones
2801 South University
Little Rock, AR 72204
501/569-3335
Teaches future rehabilitation and special education professionals computer use for a wide range of purposes. Involved in a variety of research projects, particularly regarding the use of bar code technology.

Division of Rehabilitation Services (TN)
400 Deaderick Street
Suite 1100
Nashville, TN 37219
615/741-5644
The division is on-line with SpecialNet, RehabNet, DeafNet, SCAN, HEX, and ABLEDATA. It provides statewide staff training in the uses of microcomputers in rehabilitation for vocational rehabilitation counselors.

Easter Seal Children's Center
2030 Towers Ferry Road
Suite 140
Atlanta, GA 30339
404/980-1744
Offers advice and training for computer use with preschool handicapped children. Includes diagnostic services for students regarding computers, peripherals and appropriate software.

Education Division
Johns Hopkins University
100 Whitehead Hall
Baltimore, MD 21045
301/338-8273
Johns Hopkins offers both a Masters and a Doctoral program in Special Education Technology. The Education Division conducts research on integrating microcomputers into the special education classroom.

Gallaudet College
Mrs. Karen Simpson
Graduate Admissions Counselor
800 Florida Avenue NE
Washington, DC 20002
202/651-5070
800/672-7620, etc. 5070
Master of Science in Educational Technology: Special Education/Deafness.

Institute on Learning-Based Tools for Special Populations
University of Virginia
132 Emmet Street
Box 9022
Charlottesville, VA 22906-9022
804/924-7107
The Institute was held June 16 - July 5, 1986. Activities to enhance use of computer applications and technology in special education and clinical settings included use of learner-based software such as 1000, MPAL (a LOGO-like language which permits use of interactive videodisk, speech synthesizer and animation), PC Storyboard, and Listen to Learn (a talking word processor). Participants have the use of a computer and modem during the following year to exchange ideas and information.

Lesley College Graduate School
Rebecca Corwin, Assistant Professor
Computers and Education: Focus on Learners with Special Needs
Division of Education and Special Education
29 Everett Street
Cambridge, MA 02138-2790
617/868-9600, ext. 371
Courses blend theoretical and field-based work; Master's Degree or Certificate of Advanced Graduate Study. Program includes introductory level programming languages, software evaluation, applications for special needs learners, and curriculum integration.

Micro Abilities
98 Main Street
Suite 232
Tiburon, CA 94920
415/435-2966
Offers training to education and rehabilitation professionals and provides appropriate computer-related devices to work directly with clients.

Microcomputer Resource Center
St. Martin's College
Lacey, WA 98503
206/438-4334
Provides the opportunity for educators and others to review and evaluate different computer systems, software and other instructional materials. A variety of classes are offered related to new uses of technology.

Rehabilitation Research and Training Center
University of Oregon
217 Clinical Services Building
Eugene, OR 97405
503/686-3585
Administers the "Community Living" Bulletin Board on SpecialNet. Develops interactive video for mildly handicapped individuals. Organizes the local Special Interest Group for Special Educators of ICCE.

Resource Center
Colorado Easter Seal Society, Inc.
5755 W. Alameda Street
Lakewood, CO 80226
303/233-1666
Offers a variety of computer services for disabled people, including computer camps, workshops for disabled individuals, teachers and therapists, and information on computers and adaptive equipment.

Special Education Technology Resource
Emmanuel College Library
Third Floor
400 The Fenway
Boston, MA 02115
617/232-7913
The center maintains a software lending library, model adaptive hardware learning lab, and a variety of teacher training opportunities for special educators.

Trace Research and Development Center
S-151 Waisman Center
1500 Highland Avenue
Madison, WI 53705
(608) 262-6966
Advanced Workshop in Computer Access and Use for Disabled Persons sponsored by the Trace Center several times each year at various locations around the country. Inquire for brochure, dates and locations.

Computer Assessment and Training Programs for Disabled Individuals

This list contains information on programs and organizations that provide computer-oriented assessment and training for disabled persons, either children or adults, or that assess a person's computer-related skills and recommend adaptations. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Cerebral Palsy Foundation of South Arizona
4710 E. 29th DAC W.
Tucson, Arizona 85711
602/747-8609
Involves basic remediation and rehabilitation, vocational counselling and research on the use of technology with individuals with severe and profound handicaps.

Florida Diagnostic Learning Resources Services (FDLRS)
9220 SW 52 Terrace
Miami, FL 33165
305/274-3501
Offers diagnostics for computer compatibility for disabled people, inservice training, computer information resources, as well as software and hardware evaluation.

Du Page Easter Seal Treatment Center, Inc.
830 S. Addison
Villa Park, IL 60181
312/620-4433
The center specializes in the use of personal computers in therapy.

Adaptive Computer Technology Center
Kennedy Memorial Hospital
30 Warren Street
Brighton, MA 02135
617/254-3800
Utilizes and provides instruction in the use of computer-based technology to enhance learning, leisure, communication, prevocational skill development, independent living, and environmental control.

John A. Coleman School
New York Foundling Hospital
M. Michelle Hill
Educational Therapist
1175 Third Avenue
New York, NY 10032
212/472-3322, ext. 629
The school uses computers daily with multiply handicapped children (ages 1-10) to achieve a variety of basic educational goals.

Sister Kenny Institute
800 E. 28th Street at Chicago Avenue
Minneapolis, MN 55407
612/874-4175
This organization uses computer programs to provide language and cognitive therapy to adults with neurologic injuries.

Living Systems/ITD
2160 S. Lamar
Oxford, Missisipi 38655
601/234-0158
Has a microcomputer laboratory equipped to evaluate and to develop hardware and software which will provide capability to disabled individuals.

Rehabilitation Institute of Ohio
Miami Valley Hospital
One Wyoming Street
Dayton, OH 45409
513/220-2063
The Institute uses computers to help brain injured individuals make maximum use of their abilities. Focus is on cognitive and linguistic retraining using microcomputers as therapeutic tools.

Yankton Area Adjustment Training Center
909 W. 23rd Street
Yankton, SD 57078
605/665-2518
Provides computer-assisted learning on the Apple IIe for area special education students. Focus includes job skills, job readiness skills, math skills, time and money skills, pedestrian safety, and motivation.

Technical Resource Center
525 11th Ave. SW Suite 100
Calgary, Alberta, Canada T2R OC9
403/262-9445
Provides information and one-month loan of devices in the areas of adaptive toys, communication aids, daily living aids, inventory control and microcomputers. It offers assessment and consultation.

Sunny Hill Hospital for Children
3644 Slocan Street
Vancouver, British Columbia V5M 3E8
604/434-1331
Offers assessment and training of physically disabled children for access to microcomputers for education, recreation, and communication.

Valpar International Corporation
Box 5767
Tucson, AZ 85703
602/293-1510
Develops assessment equipment used by professionals for working with people with various disabilities. Offers vocational assessment using microcomputers.

Resources for Living Independently Center
4721 Pine Street
Philadelphia, PA 19143-1809
215/471-2265, 2266
215/471-2267 (TDD)
Provides computer training to disabled consumers as one of its services.

Veterans Administration Information Technology Center (ITC)
Veterans Administration Central Office
810 Vermont Avenue
Room 237
Washington, D.C. 20420
202/233-5525
Provides hardware and software consultations, assistance with interfacing adaptive devices to microcomputers, equipment evaluations, and exhibitions of new technologies.

Pearson Society for Assessment and Computer Training
700 West 57th Avenue
Vancouver, BC CANADA V6P 1S1
604/321-3231
Three main objectives: provide assessment of aptitude and compatibility with computers, provide intensive training on the IBM-PC, and teach job search skills and provide employment assistance.

Orange County Department of Education
200 Kalmus Drive
Costa Mesa, CA 92626
714/966-4140
The Educational Technology/Special Schools' goal is to provide opportunities for students to learn how to become more independent in their present and future environments.

Disabled Children's Computer Group
2095 Rose Street
1st Floor East
Berkeley, CA 94709
415/841-DCCG (841-3224)
Offers to loan adaptive software and hardware. Also has adaptive equipment on display with demos available for families and teachers. Services also include a toy lending library, for adaptive toys.

Los Angeles Unified School District
15530 Hesby
Encino, CA 91436
818/997-2330
Provides microcomputer training to special education students. Computers are adapted to meet individual special needs. Emphasis is on vocational, recreational, and/or independent living skills.

Disabled Programmers, Inc.
6840 Via Del Oro
San Jose, CA 95119
408/629-3700
DPI is an organization that trains disabled individuals to become computer programmers. DPI's Micro Applications Development Lab develops and designs adaptive devices.

Electronic University
TeleLearning Systems, Inc.
1150 Sanson Street
San Francisco, CA 94111
415/928-2800
Offers home courses (including tutoring) on personal improvement, business and professional skills, and credit/degree programs via computers. Provides counseling, an electronic library and a seminar series.

BIPED Corporation (Business Information Processing Education for the Disabled)
26 Palmer's Hill Road
Stanford, CT 06902
203/324-3935
Teaches computer programming to physically disabled individuals at two different locations (Stanford, CT, and White Plains, NY). Courses available tuition free to disabled individuals.

LIFT, Inc.
350 Pfingsten
Suite 103
Northbrook, IL 60062
312/564-9005
Offers help and training in hiring handicapped individuals as computer programmers.

Project CABLE
Carroll Center for the Blind
770 Centre Street
Newton, MA 02158-2597
617/969-6200
Provides computer assessment, computer training (on adaptive devices), and software, professional training, resources (on devices), and word processing for visually impaired high school students.

Association of Rehabilitation Programs in Data Processing
P.O. Box 2404
Gaithersburg, MD 20879
301/468-6142
Organization offering nationwide data processing training to disabled people.

Maryland Rehabilitation Center
2301 Argonne Drive
Baltimore, MD 21218
301/554-3000
Provides evaluation of computer applications best suited for enhancing a disabled person's vocation. Acts as a diagnostic resource center in setting disabled students' vocational goals.

Project Enhance
Minneapolis Public Schools
Community Education
1006 W. Lake Street
Minneapolis, MN 55408
612/348-6799
Offers beginning computer programming and word processing classes for physically disabled adults as well as beginning computer classes for mentally retarded adults to reinforce academic skills and independent living skills.

Handicapped Access Center
Duluth Public Library
520 W. Superior Street
Duluth, MN 55802
218/723-3809
Trains disabled persons in the use of the Apple IIe. Applications include word processing, data base, AppleSoft Basic, Logo, etc. Product information on software, hardware, and adaptations is available.

L.D. College Writers Project
University of Minnesota
216 Pillsbury Drive SE
Minneapolis, MN 55455
612/625-8384
Training and practice in word processing is provided to college-level learning disabled writers. A set of working papers on compiled research is distributed by mail at cost.

Federation of the Handicapped, Inc.
211 W. 14th Street
New York, NY 10011
212/242-9050
The Federation trains disabled individuals in word processing and general education.

STORER Computer Access Center
Cleveland Society for the Blind
1909 E. 101st Street
Cleveland, OH 44106
216/791-8118
Offers orientation, evaluation, training, engineering support and system rental to blind or visually impaired individuals. Goals are to expand access to educational and vocational opportunities through computer/print technology.

Compute Able Network
P.O. Box 1706
Portland, OR 97207
503/644-2940
Assists individuals with various disabilities to adapt and utilize the rapid advances in computer technology.

Colorado Easter Seal Society
Computer Resource Center
5755 West Alameda
Lakewood, CO 80226
303/233-1666
Services offered include training in available adaptive equipment, training on the use of specific adaptive equipment, loan of equipment, and consulting.

Variety Club
Warwick Hotel
17th and Locust Streets
Philadelphia, PA 19103
215/735-0803
This organization offers vocational and rehabilitation training on the use of microcomputers.

Texas State Technical Institute
Drafting and Design
TSTI Waco
3801 Campus Drive
Waco, TX 76705
817/799-3611, ext. 3200
TSTI offers a course in Computer Aided Drafting for physically handicapped students. The objective is to help students prepare for careers in drafting and industrial design.

C-CAD (Center for Computer Assistance to the Disabled)
P.O. Box 19129
Arlington, TX 76019
817/273-3964
This is an organization that provides computer training and job placement for disabled persons.

Computers to Help People, Inc.
1221 W. Johnson Street
Madison, WI 53715
608/257-5917
Provides disabled people with vocational training in computer operation. Also sells software designed for physically disabled people.

Service Centers for Augmentative Communication and Computer Access

This list includes basic information on clinical programs that provide services in the areas of computer access for disabled persons and augmentative communication for non-vocal persons. The list is organized by state. Contact particular centers to determine if their services will suit your needs. No recommendations or endorsements are implied by inclusion on this list.

Alabama

Pam Elder, MA CCC
201 Sleepy Hollow Circle
Birmingham, AL 35216
205/967-2050
An independent consultant, may be able to provide assistance and/or information in the area of augmentative communication.

Arizona

Cerebral Palsy Foundation of South Arizona
4710 E. 29th DAC W.
Tucson, AZ 85711
602/747-8609
Involves basic remediation and rehabilitation, vocational counselling and research on the use of technology with individuals with severe and profound handicaps.

The SPEAC Center
Mary Christen, MA
6306 North Seventh Street
Phoenix, AZ 85014
602/263-0770
Evaluations done on children with special needs; including augmentative communication.

Arizona Training Program
Susan Neidlinger
Auxiliary Communication Assessment
3727 East McDowall Road
Phoenix, AZ 85008
602/275-7821, ext. 357
Accepts referrals and students within Maricopa county schools - especially those with cerebral palsy and developmental disabilities. Services provided in the field of augmentative communication.

Children's Achievement Center for Developmental Delays
3825 East Second Street
Tucson, AZ 85716
602/325-1517
This center is primarily for preschool aged children with neuromuscular and developmental delays. Based on the child's needs an individual program is devised in the areas of physical and occupational therapy, speech and language, and special education.

California

Assistive Device Center, California State University-Sacramento
Colette Coleman, Ph.D., Co-Director
Albert M. Cook, Ph.D., Co-Director
650 University Ave.
Suite 101B
Sacramento, CA 95825
916/924-0280
Services include evaluation, fitting of equipment and training. All ages are served by this center.

Children's Hospital & Health Center
Speech, Hearing, & Neurosensory Center
Chris Hagen, Ph.D., Director
Speech-Language Pathology Department
8001 Frost Street
San Diego, CA 92123
619/576-5837
Speech evaluation for all disorders, oral rehabilitation, and augmentative communication aids.

Children's Hospital at Stanford
Rehabilitation Engineering Center
Margaret R. Barker, MS
520 Sand Hill Road
Palo Alto, CA 94304
415/327-4800, ext. 345
Offers 6 services including wheel chair mobility and communication aids clinic.

UCLA Intervention Program
Dr. Judy Howard, Medical Director
23-10 Rehabilitation Center
1000 Veteran Avenue
Los Angeles, CA 90024
213/825-4821
This program works with young children (18 mo. - 5yrs.) who are either physically or mentally handicapped. A team of specialists work in all rehabilitation areas including computer instruction.

Glendale Adventist Hospital
Rhonni Greig, Supervisor of Department of Communicative Disorders
Non-Speech Communication Program
1509 Wilson Terrace
Glendale, CA 91026
818/409-8023
Services include evaluation, and custom fitting of equipment. All ages are served by this clinic.

Non-Oral Communication Center
Judy Montgomery, MA, CCC
9675 Warner Avenue
Fountain Valley, CA 92708
714/964-2014
Non oral children are assessed by an interdisciplinary team to determine their language skills, learning style and motor abilities.

Non-Verbal Assessment Program
Sally Cook, MA, CCC, Teacher
Coordinator
Los Angeles Unified School District
c/o Widney High School
2302 South Gramercy Place
Los Angeles, CA 90018
213/732-1976
This program serves individuals aged 3-21 yrs. A full team of specialists perform evaluations, and fitting and training of equipment.

Northridge Hospital Medical Center
Gail L. Pickering, Program Coordinator
Innovative Communications Aids for the Non Verbal (ICAN)
18300 Rosco Boulevard
Northridge, CA 91328
818/885-8500
A team of professionals perform evaluations, fitting and training of equipment. Also provide seating and positioning training.

Rancho Los Amigos Hospital
Frank DeRuyder, Ph.D., Director
Communication Disorders Department
7601 East Imperial Highway
Downey, CA 90242
213/940-7682
This department gives evaluations and involves itself with audiology and speech/language therapy. A program called transition in living is also offered to ease the shock of clients who underwent therapy.

White Memorial Medical Center
1720 Brooklyn Avenue
Los Angeles, CA 90033-2481
213/268-5000
Offers diagnostics for speech/language therapy.

SDSU Assistive Device Assessment Program
Clinical Training Center
College of Human Services
San Diego State University
San Diego, CA 92182-0446
619/265-6121
This organization runs tests and makes referrals covering all the bases on physical/mental disabilities and development.

Non-Oral Communication Services: Community Based Service
Marilyn J. Buzolich, Ph.D.
Director
443-7 Green Ridge
Daly City, CA 94014
415/664-2274

Colorado

Rocky Mountain Regional Center
Boulder Memorial Hospital
Helene Hoff, Coordinator
311 Mapleton
Boulder, CO 80302
303/441-0431
This medical center accepts inpatients and outpatients; deals with disabilities caused through physical injury (i.e. head trauma, stroke, and spinal injury).

Fitzsimmons Army Hospital
Fran Romero
c/o Speech/Audiology Department
East Colfax Avenue
Aurora, CO 80045-5001
303/361-8241
Provides diagnostic services to all ages. Services include rehabilitation engineering.

Poudre Valley Hospital
1024 Lemay Avenue
Fort Collins, CO 80524
303/482-4111
Provides diagnostic services to all ages.

Connecticut

Newington Children's Hospital
Lynn Graff, Speech and Hearing
181 East Cedar Street
Newington, CT 06111
203/667-5200
Available for on-site evaluations. Augmentative communication catering mainly to adults. A department specializing in seating and positioning interfaced with adaptive equipment is also offered.

Connecticut Center for the Non-Vocal
Iris Fishman
130 Hunting Street
Bridgeport, CT 06606
203/334-2118
Special needs center giving on-site evaluations. An under 3 day program and an adult day program are available.

Delaware

University of Delaware
Assistive Device Center
12 Willard Hall
Newark, DE 19716
302/451-2084
Provides centralized housing of diagnostic/prescriptive assistive devices that can be used on site or requested by outlying areas for short term loan.

District of Columbia

Communication Aids Education Software
Susan A. Brummell, M.S.
Speech & Language Pathologist
3177 18th Street, N.W.
Washington, DC 20010
202/462-1187
202/899-5891 (Messages)

Florida

Florida Diagnostic Learning Resources Services (FDLRS)
9220 SW 52 Terrace
Miami, FL 33165
305/274-3501
Offers diagnostics for computer compatibility for disabled people, inservice training, computer information resources, as well as software and hardware evaluation. Those individuals who live in the southern or eastern portion of the state can inquire about FDLRS/South & FDLRS/EAST.

The Communication System Evaluation Center
Edythe F. Finkley, Evaluation Team Leader
Sandra Osborn, Senior Presentor
P.O. Box 271
434 N. Tampa Avenue
Orlando, FL 32802
305/423-9212
305/422-3200, ext. 692
State wide center serving students ages 3-21 in augmentative communication.

Illinois

Du Page Easter Seal Treatment Center, Inc.
830 S. Addison
Villa Park, IL 60181
312/620-4433
The center specializes in the use of personal computers in therapy.

Alan J. Brown Center of Alternative Communication & Environmental Control
Jerri Voda, MS, CCC-SP
Rehabilitation Institute of Chicago
345 East Superior Street
Chicago, IL 60611
312/908-2556
Center for augmentative communication, offering evaluation and training.

Technical Aids and Assistance for the Disabled Center (TAAD)
1950 West Roosevelt Road
Chicago, IL 60608
312/421-3373
Walk-in center containing consumer accessible technologies and related information.

Gottfreid Speech Association
Ann B. Kanter, MA, CCC-Sp
Center for Non-speech Communication
1535 Lake Cook Road
Northbrook, IL 60062
312/564-9230
Evaluations given; 10 speech/language pathologists on staff. Specialize in various areas including non-vocal communication aids.

State of Illinois
Anna Mental Health and Development Center Rehabilitation Services
c/o Speech/Hearing Dept.
1000 North Main Street
Anna, IL 63906
618/833-5161
Inpatient services only. Screening, evaluations, and speech/language therapy.

Center for Communication Disorders Ltd.
18141 Dixie Highway
Homewood, IL 60430
312/799-7520
Evaluations, involvement in assessment, and work with electronic communication aids are part of this center's services.

Indiana

Rehabilitation Technology Center
Larry Whitehead
615 North Michigan Street
South Bend, IN 46601
219/284-7134
This center works with seating and positioning, environmental modifications, and computer access. At job/home evaluations given.

Rehabilitation Technology Center
6535 East 82nd Street, Suite 102
Indianapolis, IN 46250
(317) 845-3408
Provides services in: augmentative communication, seating and positioning, mobility, environmental control, computer access, and home and job site modification.

Fort Wayne State Hospital & Training Center
Julie Katchum
Speech and Hearing Department
4900 St. Joe Road
Ft. Wayne, IN 46815
219/485-7554, ext. 647
This department deals with augmentative communication; only inpatients accepted.

Porter County Special Education Coop
Neil Carpenter
750 Ransom Road
Valparaiso, IN 46383
219/464-9607
Provides diagnostic evaluations for students in the area of speech & language, including augmentative communication.

Memorial Hospital
Mark Russel
Assistive Device Resource Center
615 North Michigan
South Bend, IN 46601
219/284-7134
A diagnostic center whose services include: computer access, seating & positioning, and job/home site evaluations.

Kansas

Institute of Logopedics
Augmentative Communication Program
2400 Jardine Drive
Wichita, KS 67219
316/262-8271
800/835-1043
Evaluation and assessment; program includes communication aids.

Kentucky

Redwood School and Rehabilitation Center
Debra Maly, M.A., CCC, Speech Dept. Head
71 Orphanage Road
Fort Mitchell, KY 41017
606/331-0880
A diagnostic center serving all ages; offers special help to children ages 0-5 yrs.

Louisiana

LSU Medical Center
Diane Bristow
Louisiana State University
Shreveport, LA
(504) 568-4348
Augmentative communication services.

LSU Children's Center
Clydie Mitchell
Louisiana State University
3730 Blair
Shreveport, LA 71103
Augmentative communication services.

Maryland

United Cerebral Palsy of Central Maryland
Sue Cohen, Director
Non-Vocal Communication
Derry Preschool
18 Delrey Avenue
Catonsville, MD 21228
301/744-3151
Evaluations for augmentative communication.

Maryland Rehabilitation Center
2301 Argonne Drive
Baltimore, MD 21218
301/554-3000
Comprehensive vocational rehabilitation center for the deaf and non-vocal; computer access. Center for technology for human disabilities.

Kennedy Institute
Sarah Blackstone, Ph.D.
707 North Broadway
Baltimore, MD 21205
301/522-5450
Providing diagnostic services to ages 0-21 yrs. Also offers dissemination of information.

Massachusetts

Adaptive Computer Technology Center
Kennedy Memorial Hospital
30 Warren Street
Brighton, MA 02135
617/254-3800
Utilizes and provides instruction in the use of computer-based technology to enhance learning, leisure, communication, prevocational skill development, independent living, and environmental control.

Children's Hospital Medical Center
Howard Shane, Ph.D.
Communication Enhancement Clinic
300 Longwood Avenue
Boston, MA 02115
617/735-6466
Evaluations for the non-vocal including spinal cord injured clients and the speech impaired. Incorporate therapy with voice activated computer systems.

Massachusetts Hospital School
Carol Sargent, OTR/L
Adaptive Equipment
3 Randolf Street
Canton, MA 02021
617/828-2440
"Project Access World"; Outpatient clinic; adaptive design.

Non-Speech Communication Program
Ellen Kravitz
Speech and Hearing Department
Fernald State School
Box 158
Belmont, MA 02178
617/894-3600, ext 2352 or 2285
Coordinated program offering strictly inhouse services. No evaluations given, but consultation and orientational information is provided.

Speech, Hearing, Language
New England Medical Center
750 Washington
Boston, MA 02111
617/956-5300
Evaluations for the non-vocal.

New England Medical Center, Inc.
Dr. Bruce Gans / Robin Low
Special Equipment Clinic
Box 387
Boston, MA 02111
617/956-5625
Twice monthly this center offers day-long evaluations by a team of specialists in the following rehabilitation areas: communication, mobility, seating, etc.

Michigan

Oakland Schools Learning Assessment Clinic
Ina Kirstein, Communication Consultant/Clinician
Communication Enhancement Center
2100 Pontiac Lake Road
Pontiac, MI 48054
313/858-1901
Educational evaluations, student assessment, classroom observation - an adult program is also offered.

Jackson County Intermediate School District
Dianne Taulbee, Supervisor
6700 Browns Lake Road
Jackson, MI 49201
517/787-2800

Communication Enrichment Resource Center (CERC)
John Smallwood / Bill Caster
Northville Public Schools
501 West Main Street
Northville, MI 48167
313/349-6210
This center serves multiply handicapped public school students (ages 8-24 yrs.); federally funded.

Mott Children's Health Center
Pamela Demceck
806 Tauri Road
Flint, MI 48503
313/767-5750
Speech therapy and evaluations for school aged children.

Minnesota

Sister Kenny Institute
800 E. 28th Street at Chicago Avenue
Minneapolis, MN 55407
612/874-4175
This organization uses computer programs to provide language and cognitive therapy to adults with neurologic injuries.

United Cerebral Palsy of Minnesota, Inc.
1821 University Avenue S. 223
St. Paul, MN 55104
612/646-7588
No evaluations, but operates a loan bank of communication equipment for professionals in the area to allow assessment of the appropriateness of a device for a client.

Creative Communication and Rehab Systems
10416 Boundary Creek Terrace
Maple Grove, MN 55369
612/424-5591
Offers a wide range of augmentative communication devices, accessories, and environmental controls for non-speaking, physically disabled persons. Services include loaner/rental, dealer support, training, and funding rcommendations.

Rum River
Special Education Cooperative
430 N.W. Eighth Avenue
Cambridge, MN 55008
612/689-3600

Courage Center
Diane Cross
3915 Golden Valley Road
Golden Valley, MN 55422
612/588-0811
72 different programs. Computer access, augmentative communication, speech/language therapy are among the 72 offered. Evaluations given.

Mississippi

Living Systems/ITD
428 N. Lamar Boulevard
Oxford, MS 38655
601/234-0158
Has a microcomputer laboratory equipped to evaluate and to develop hardware and software which will provide capability to disabled individuals.

Missouri

Jewish Hospital
Occupational Therapy Department
216 S. Kings Highway
St. Louis, MO 63110
314/454-7752
Using microcomputer technology, the Jewish Hospital offers complete assessment and treatment for disabled people. Teaches microcomputer use as a tool for rehabilitation as well as for vocational training.

Center for Assistive Communication
Hearing and Speech Department
Menorah Medical Center
4949 Rock Hill Road
Kansas City, MO 64110
816/276-8225
Provides evaluations for augmentative communication systems.

Nebraska

Barkley Speech-Language and Hearing Clinic
University of Nebraska-Lincoln
253 Barkley Memorial Center
Lincoln, NE 68583-0731
402/472-5459
Evaluations for augmentative communication; speech/language therapy.

New Jersey

Cerebral Palsy Association of Middlesex County
Travis M. Tallman, CCC-Sp
Director, Speech Pathology
Oak Drive
Roosevelt Park
Edison, NJ 08837
201/549-5580
Comprehensive program that operates a private school and an infant program. Computer access available.

Children's Seashore House
Joan Bruno, MS, CCC
4100 Atlantic Avenue
Atlantic City, NJ 08404
609/345-5191
Evaluations for augmentative communication. Speech/language therapy and computer access offered.

Children's Specialized Hospital
Kim Jolie, MA, CCC-SP
Augmentative Communication Services
150 New Providence Road
Westfield-Mountainside, NJ 07091
201/233-3720
Comprehensive rehabilitation hospital specializing in physical therapy. Involves evaluations for augmentative communication, audiology, and speech/language therapy as well.

New Mexico

Clinical Microcomputer Laboratory
Department of Speech
New Mexico State University
Las Cruces, NM 88003
505/646-2402
Diagnostic and clinical report center.

New York

John A. Coleman School
New York Foundling Hospital
1175 Third Avenue
New York, NY 10032
212/472-3322, ext. 629
The School uses computers daily with multiply handicapped children (ages 1-10) to achieve a variety of basic educational goals.

The Burke Rehabilitation Center
785 Mamaroneck Avenue
White Plains, NY 10605
914/948-0050
Cerebral Palsy Center
Physical rehabilitation center dealing with problems such as: cardiac and pulminary diseases, head trauma, spinal cord injury, and arthritis. Evaluation on referral.

Carol Cohen, Director
United Cerebral Palsy Center
1603 Court Street
Syracuse, NY 13208
315/455-7591

Non-Vocal Communication Group of Greater New York
Arlene Kraat
Queen's College
65-30 Kissena Boulevard
Flushing, NY 11367
718/520-7000
718/520-7358
Evaluations for augmentative communication, speech/language therapy, computer access, and treatment for ALS patients.

Rochester Institute of Technology
The Office of Special Services
1 Lomb Memorial Drive
P.O. Box 9887
Rochester, NY 14623-0887
716/475-2832

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North Carolina

Division of Disorders of Development and Learning
Patricia Porter/Kay Hains
University of North Carolina Chapel Hill
Biological Science Research 220H
CB# 7255
Chapel Hill, NC 27514
919/966-5171
Clinical center for the study of development and learning.

Ohio

Rehabilitation Institute of Ohio
Miami Valley Hospital
One Wyoming Street
Dayton, OH 45409
513/220-2063
The Institute uses computers to help brain injured individuals make maximum use of their abilities. Focus is on cognitive and linguistic retraining using microcomputers as therapeutic tools.

Prentke Romich Company
1022 Heyl Road
Wooster, OH 44691
216/262-1984
A manufacturer of products for the non-vocal, also offers evaluations and clinical services.

Oregon

Good Samaritan Hospital
Margaret Russitano, MA
1015 N.W. 22nd Avenue
Portland, OR 97210
503/229-7711
Many diagnostic programs offered. Evaluations and computer access.

Pennsylvania

Pennsylvania Assistive Device Center
Mary Brady
Elizabethtown Rehabilitation Hospital
Elizabethtown, PA 17022
717/367-1161, ext. 315
Providing information and services to the physically handicapped. This assistive device center offers equipment in the area of computer access and augmentative communication for students ages 3-21 yrs., in Pennsylvania.

South Dakota

Yankton Area Adjustment Training Center
909 W. 23rd Street
Yankton, SD 57078
605/665-2518
Provides computer-assisted learning on the Apple IIe for area special education students. Focus includes job skills, job readiness skills, math skills, time and money skills, pedestrian safety, and motivation.

Crippled Children's Hospital and School
2501 West 26th Street
Sioux Falls, SD 57105
605/336-1840
Serving ages 0-21 yrs., the program offers diagnostic evaluations and services.

Tennessee

University of Tennessee
Elaine Trefler, OTR
Rehabilitation Engineering Center
682 Court Avenue
Memphis, TN 38163
901/528-6445

Texas

Callier Center for Communication Disorders
Delva Culp
1966 Inwood Road
Dallas, TX 75235
214/783-3033

Education Service Center, Region 20
Dennis Dildy
Community Based Services
1314 Hines Avenue
San Antonio, TX 78208
512/271-7611

The Freedom Center
2219 Babcock Road
San Antonio, TX 78229
(512) 696-0281, 696-1910
Augmentative communication evaluations and training, plus training in other areas such as mobility, self-care, work and leisure.

Washington

Gordon R. Hauck School
Lake Washington School District
11133 N.W. 65th
Kirkland, WA 98033
204/822-9588

Children's Orthopedic Hospital and Medical Center
Myra Isaman
Communicative Disorders
4800 Sand Point Way N.E.
Seattle, WA 98105
206/526-2191 or 526/2104.
Providing services in augmentative communication.
Mailing address is P.O. Box C5371, Seattle WA 98105.

University of Washington Hospital
Communication Augmentation Center
BB 919 Health Sciences Building RJ-30
Seattle, WA 98195
206/543-3674

Wisconsin

Communication Aids and Systems Clinic
Donna DePape
S-120 Waisman Center
1500 Highland Avenue
Madison, WI 53705
608/263-2522
Clinical assessment and evaluations for all ages.

Trace Center Communication Development Program
Julie Gamradt
S-157 Waisman Center
1500 Highland Avenue
Madison, WI 53705
608/263-5697

Curative Rehabilitation Center
1000 North 92nd Street
Wauwatosa, WI 53226
414/259-1414
Offers equipment loaning and diagnostic assessment in a variety of areas, including augmentative communication.

Canada

Technical Resource Center
100-525-11th Avenue S.W.
Calgary, Alberta T2R OC9
403/262-9445
Provides information and one-month loan of devices in the areas of adaptive toys, communication aids, daily living aids, inventory control and microcomputers. It offers assessment and consultation.

Sunny Hill Hospital for Children
3644 Slocan Street
Vancouver, British Columbia V5M 3E8
604/434-1331
Offers assessment and training of physically disabled children for access to microcomputers for education, recreation, and communication.

Bloorview Children's Hospital
Bill Innes
25 Buchan Court
Willowdale, Ontario M2J 4S9
416/494-2222

The Hugh MacMillan Medical Centre
Penny Parnes, Director
350 Rumsey Road
Toronto, Ontario M4G 1R8
416/425-6220
Special programs of the Medical Center include assessment for augmentative communication devices. Also operate a microcomputer training program for the physically disabled.

The Kinsman Rehabilitation Foundation
Technical Aids Program
2256 West 12th Avenue
Vancouver, British Columbia V6K 2N5
604/736-8841
Rehabilitation center with many programs for the physically handicapped. Evaluation and computer access available.

Gorge Road Hospital
63 Gorge Road East
Victoria, British Columbia V9A 1L2
604/386-2464
Extended care and rehabilitation hospital. Speech/language therapy, augmentative communication, and training for disabled individuals.

Adaptive Toys and Toy Modifications

This list contains information regarding adapted toys and toy modifications to allow single switch control. Included are books, pamphlets, catalogs, companies and organizations. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Books and Pamphlets

Switching Mechanisms for Special Needs -- A Project Manual
William M. Lynn
$6.50
National Clearinghouse of Rehabilitation Materials
115 Old USDA Building
Oklahoma State University
Stillwater, OK 74078
405/624-7650
This project manual first explains how switches work by presenting basic electronics principles, and then provides step-by-step instructions for building several types of switches and accessories.

Toys and Games for Educationally Handicapped Children
1969
Buist, Charlotte & Schulman, Jayne
Thomas Publishing
P.O. Box 19265
2600 South 1st Street
Springfield, IL 62794-9265
217/789-8980

Homemade Battery Powered Toys and Educational Devices for Severely Handicapped Children
1980
Linda J. Burkhardt
8503 Rhode Island Avenue
College Park, MD 20740
301/345-9152

More Homemade Battery Devices for Severely Handicapped Children with Suggested Activities
1982
Linda J. Burkhardt
8503 Rhode Island Avenue
College Park, MD 20740
301/345-9152

Using Computers and Speech Synthesizers to Facilitate Communication Interaction
Linda J. Burkhardt
8503 Rhode Island Avenue
College Park, MD 20740
301/345-9152

Homemade Switches and Toy Adaptations for Early Training with Nonspeaking Persons
1984
William B. Coker, Jr.
Cincinnati Center for Developmental Disabilities
3300 Elland Avenue
Cincinnati, OH 45229
513/559-4688
LSHSS 15, 1, pp.32-35. (Reprints)

Technology for Independent Living Sourcebook
Alexandra Enders (ed.)
1984
RESNA
1101 Connecticut Avenue
Suite 700
Washington, DC 20036
202/857-1199
This book contains a comprehensive listing of associations, toy libraries in each state, and manufacturers and distributors of special toys.

Guidelines for Adapting Toys for the Physically Handicapped
Jayne Higgins
1982
California Avenue School
215 West California Avenue
Vista, CA

Touch Toys and How to Make Them
1984
$4.00 + .69 for postage
Touch Toys
P.O. Box 2224
Rockville, MD 20852
This is an instruction book on how to make over 100 toys for the blind. Checks payable to: Touch Toys.

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Toy Modification Note: Build-it-Yourself-Battery-Insert
G.C. Vanderheiden
1982 (1986, revised)
Trace Center
1500 Highland Avenue
S-151 Waisman Center
Madison, WI 53705
608/262-6966
Describes construction and operation of battery inserts to allow control of battery operated devices by handicapped individuals without requiring modification of the toys themselves. Full diagrams and operating instructions included.

From Toys to Computers: Access for the Physically Disabled Child
C. Wright and M. Nomura
Revised 1987
$20.00
Christine Wright
P.O. Box 700242
San Jose, CA 95170

Compu-Robot
$34.95
Comp Tech Systems Design
P.O. Box 516
Hastings, MN 55033
612/437-1350
An audio-controlled robot. Easy-to-use, programmable, remembers up to 48 commands, 3 speed, right and left turn, u-turn, pause. Uses 4 AA-batteries.

Catalogs

Arroyo & Associates
88-45 79th Avenue
Glendale, NY 11385
718/849-9306

"Special Populations Catalog"
Flaghouse, Inc.
150 N. MacQuesten Parkway
Mt. Vernon, NY 10550
914/699-1900

Kaye's Kids
1010 E. Pettigrew Street
Durham, NC 27701-4299
919/683-1051

Handicapped Children's Technological Services. Inc.
P.O. Box 7
Foster, RI 02825
401/397-7666

A Declaration of Independence
Adaptive Aids
P.O. Box 57640
3865 East 34th Street
Suite 109
Tucson, AZ 85713
602/881-6715

Toys for Special Children
Steven Kanor, Ph.D
8 Main Street
Hastings on Hudson, NY 10706
914/478-0960

Zygo Industries, Inc.
P.O. Box 1008
Portland, OR 97297-1008
503/297-1724

The Able Child
1761 Stewart Avenue
New Hyde Park, NY 11040

Associations and Organizations

LEKOTEK
2100 Ridge
Evanston, IL 60204
312/328-0001
A non-profit resource center with specialized play materials, therapy equipment, and books for loan.

USA Toy Library Association (USA-TLA)
Judith Iacuzzi, Exec. Director
104 Wilmot Road
Suite 201
Dearfield, IL 60115
312/940-8800
Toy library, information on adaptive toys, newsletter.

Pointing, Typing and Communication Accessories

The following is a list of companies that manufacturer or sell products designed to aid in the process of augmentative communication or computer access. These products include pointing and typing aids plus accessories for communication systems. No recommendations or endorsements are implied by inclusion on this list. Contact each company for more specific and up-to-date information.

ADL Catalog
Heartland, Inc.
P.O. Box 1151
Sterling, IL 61081

Ali-Med, Inc.
Rehab-Ortho Plus
297 High Street
Dedham, MA 02026

Bruce
411 Waverly Oaks
Waltham, MA 02254

Cleo, Inc.
Cleo, Inc.
3957 Mayfield Road
Cleveland, OH 44121
(216) 382-9700

Crestwood Company
P.O. Box 04606
Milwaukee, WI 53204
(414) 461-9876

Dixson, Inc.
Health Care Products
P.O. Box 1449
Grand Junction, CO 81502

FashionAble
5 Crescent Avenue
Box S
Rocky Hill, NJ 08553
(609) 921-2563

Fred Sammons, Inc.
Box 32
Brookfield, IL 60513
(800) 323-7305

Kviz Enterprises
P.O. Box 1706
Portland, OR 97207
(503) 644-2940

Maddak, Inc.
Pequannock, NJ 07440
(201) 694-0500

North Coast Medical
450 Salmar Avenue
Campbell, CA 95008

J.A. Preston Corporation
60 Page Road
Clifton, NJ 07012
(201) 777-2700

Rifton Equipment for the Handicapped
Route 213
Rifton, NY 12471
(914) 658-3141

Thera/fin
3800 South Union Avenue
Steger, IL 60475

Portable Typewriters

This is a listing of commercially manufactured portable typewriters (weighing less than 10 pounds). A list of these devices has been included because of their potential usefulness as writing systems. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Royal Alpha 100
$199.99
No LCD; 32-character recall; standard typing paper, single sheets only; weight 10 lbs.; 1-year parts warranty only.

Sharp PA 1000
$350.00
8.7K w/expansion (5 1/2 pages); uses thermal or bond paper, single sheets only; weight 8.4 lbs.; 26 abbreviations. 90-day parts and labor warranty, factory.

Silver Reed RX-300
$795.00
Prints 16 characters/second; types in pica, elite, mini; 8K memory; can plug into any computer and act as a letter quality printer. 6-month warranty.

Silver Reed EXD-10
$195.00
15-character line; minimal memory; weight 5 lbs.; uses single sheets of thermal or bond paper; dot matrix print. 6 month warranty.

Sears #5394
$119.00, $219.00
Single page memory; weight 4 lbs.; uses single sheets of bond or thermal paper; made by Brother. 1-year parts and labor warranty.

Brother EP-44
$200.00
16-character LCD; 3.7K memory (1 1/2 pages); uses single sheets of bond or thermal paper; roll attachment included. 90-day labor warranty, 1-year parts warranty; some parts guaranteed longer.

Brother EP-22
$129.00; $99.00
16-character LCD; 2K memory; uses single sheets of bond or thermal paper; roll attachments are available. 90-day labor warranty, 1-year parts warranty; some parts guaranteed longer.

Canon Typestar 5
$225.00
15 character display; one-line memory, 30-character key buffer; automatic return, underlining; uses standard Xerox or similar paper; no roll attachments; 90-day factory warranty.

Canon Typestar 7
$350.00
32 character display; 6K memory; accepts 9 1/2" wide paper, correction ribbon, 44 key keyboard, extended memory cartridge available.

Portable Battery-Operated Printers

This list contains information on portable, battery-operable printers that could be used with communication aids having RS-232 output. No recommendations or endorsements are implied by inclusion on this list. Contact individual manufacturers for current prices and other information.

Axonix ThinPrint 80
$279.00
Axonix Corporation
417 Wakara Way
Salt Lake City, UT 84108
800/821-7093
80 or 136 columns/line; 4 lbs; rechargeable battery and AC adaptor; serial or parallel interface; thermal printing.

Epson HS-80 LetterJet Portable Printer
Epson America, Inc.
23610 Telo Street
Torrance, CA 90505
213/534-4234
Lightweight; rechargeable battery and 6 volt adaptor to allow printing during recharging; variety of print styles and features; ink jet printing; parallel interface.

TTXpress
$129.00
ZYGO Industries, Inc.
P.O. Box 1008
Portland, OR 97207-1008
503/297-1724
Works with ZYGO notebook. Prints 40 characters per second, and up to 160 characters across an 8 1/2" page.

Laptopp On-the-Go Portable Printer
$149.95
Laptopp Systems
515 Calle San Pablo
Department 1
Camarillo, CA 93010
800/LAP-TOPP
805/482-9699 (in California)
Less than 3 lbs. (with batteries); goes 2 hours on battery power; 4 character types; thermal printing; parallel interface.

Hush-80 Printer
Ergo Systems, Inc.
303-3 Convention Way
Redwood City, CA 94063
800/222-HUSH
415/363-5966
25 oz.; 80-column; rechargeable battery option. This printer is on longer being manufactured, but may still be available from some sources.

Diconix 150
Diconix
3100 Research Boulevard
Dayton, OH 45420
(800) 342-6649

NEC PC-8221A
Contact for more information:
ZYGO Industries, Inc.
P.O. Box 1008
Portland, OR 97207
503/297-1724
Small, 40-column printer (4" x 6")

Appendix B

Glossary

The glossary includes terminology found in the product descriptions which might be new or unfamiliar to many readers. It does not attempt to be all-inclusive for the field of computer applications in special education and rehabilitation or augmentative communication; rather it serves to clarify possible points of confusion in the books.

Abbreviation expansion An abbreviation expansion program allows a person entering text or data on a computer or communication aid to enter a long string of characters (a "macro") by simply typing in one or a few defined characters (the abbreviation). This sytem can save the user typing time and effort.

Applications program Any program that enables the user to accomplish some task using a computer, but not a task relevant only to the computer's operation. For instance, a word processing program would be an applications program, because it enables the user to create, edit and print text. But a program that strictly performs the function of speaking the contents of the computer screen via a speech synthesizer (a "talking screen" program) is a program that pertains mainly to the way in which the computer functions, and therefore would not be considered an applications program.

Artificial Larynx An electronic device which generates a tone to replace or enhance lost vocal tone. The tone is transmitted from the device either directly to the user's throat or (via a tube) into the nose or mouth. The user articulates the tone into speech in the normal manner.

ASCII American Standard Code for Information Interchange. A standardized system which assigns letters, numbers, and various other characters each their own code. This allows information to be transferred successfully from one computer or peripheral to another via various interfaces. It is important to note, however, that simply because one device produces ASCII output and another accepts ASCII input does not mean that they will necessarily operate flawlessly in conjunction with one another.

Authoring Program A program which is designed to aid the user in creating programs suited to different situations. An authoring program for education, for example, might allow several different types of tests to be created, each with its own means of recording and analyzing scores.

Auto-Repeat The feature on computer keyboards which causes a particular character to repeat for as long as its key is depressed. This feature is fairly universal; it usually takes effect after a short delay. Hardware and software systems which disable the auto-repeat function are available for some computers.

Baudot The information exchange code most commonly used by TDDs (Telecommunication Devices for the Deaf). Most TDDs transmit only Baudot, but some offer the option of transmitting ASCII code as well. ASCII is used by computers when they communicate telephonically. The two codes are not compatible.

Buffer A set of memory circuits which are designed to store excess input until it can be accepted, or excess output until it can be sent. A printer, for instance, may have a buffer for storing text which is being sent to it from a computer faster than the printer can physically print it.

Communication aid Any device or system which augments a person's ability to communicate. This term can cover non-electronic devices such as communication boards, or electronic devices such as portable communication systems which allow the user to print and speak typed-in text.

Control, controller Technically this term may be used for any switch or switch-like device which is used to control some system (computer, wheelchair, etc.) Typically it is applied to devices which incorporate several switches and which control a system in several ways; e.g., a joystick used to control a video game.

CP/M Control Program for Microcomputers. An operating system developed by Digital Research, Inc. for a particular family of microprocessors. See operating system.

Cursor The graphic character on a computer screen which indicates the point at which text is being added or edited.

Database A body of information that is stored and manipulated on a computer. A database management program is typically used to enter, edit, store, and manipulate this information.

Digitizer See speech digitizer.

Direct Selection Any technique for selecting choices in which a person points directly to the desired choice. This contrasts with scanning, in which choice are offered sequentially and the user signals when the selection is reached. Methods of direct selection include pointing, pressing various keys on a keyboard, or eye gaze selection. Generally speaking, direct selection methods allow selections to be made more rapidly. See also scanning.

Disk One type of system for storing data in electronic form. The term "hard disk" refers to a large-capacity disk that must be permanently installed in a computer. "Floppy disk" or "diskette" are terms used to refer to the type of disk that is portable, and which is inserted in the computer (in the disk drive) for use and is removed from the computer when no longer in use. The term "disk" by itself usually refers to a diskette.

DOS Disk Operating System. See operating system.

Emulator A device which imitates the action of another. A terminal emulator, for instance, is a system which is not a terminal per se, but is designed to operate like one.

Encoding A type of technique for increasing the number of selections possible on an electronic communication aid. The user enters an alphanumeric code, and the characters of the code determine which letter, word, phrase, etc. is called up. Thus an electronic communication aid with ten keys might have 1000 possible selections, each formed by pressing some three-key combination. See also levels.

Firmware A program or programs stored in circuitry, rather than in a disk or tape storage system. Optional firmware for microcomputers is often sold as a circuit board (or "card") which fits in one of the several option slots inside the computer. This is not a strictly observed term; any program may be referred to as "software" (see software).

Hardware Any component of an electronic system (such as a computer system) which is tangible; e.g., a computer, a monitor, a disk drive, a printer, etc. This category contrasts with software, which describes those components which consist only of electronic signals; e.g., programs, text files, and other quantities of information that can be stored on a disk or in a computer's memory. Although a program on a floppy disk is commonly referred to as software, technically the disk is hardware and the program on it is software.

Host computer In a computer system where various terminals (or computers connected in a network) are used to send input to a central computer, the central computer is commonly referred to as the host computer. See also terminal.

Input Any information entered into a computer by the user or sent to the computer by another device. See output.

Interface The point at which two electronic devices, such a computer and a printer, communicate with each other. Also, an electrical connector or adaptive device which allows the interface to work properly.

Jack In a male-female electrical connection, the jack is the female connector. See plug.

Keyboard Emulating Interface (KEI) If some device such as a communication aid is to be used as an alternate keyboard for a computer, some system is usually required to allow the two to communicate successfully. A KEI takes the keystrokes from the alternate keyboard and makes them appear to the computer as indistinguishable from keystrokes on the normal keyboard. Some communication aid systems contain a KEI. Others are designed to operate with a standard KEI (one which complies with the standard industry protocol). In the latter case, the aid plugs into the KEI, which plugs into the computer like a ordinary keyboard.

Keyguard A plate which fits over the top of a keyboard and has holes over some or all of the keys. A keyguard can allow the user a place to rest the hands while typing, but primarily it is designed to prevent inadvertent key presses caused by poor motor control or other factors. Key latches, devices which hold down keys such as SHIFT, are commonly available with keyguards, and can facilitate one-finger typing.

Keypad A somewhat loosely used and not strictly defined term, keypad usually refers to any keyboard having significantly fewer keys than a standard typewriter or computer keyboard. Anything called a keypad can also be accurately referred to as a keyboard or part of a keyboard. The term often refers to the special separate set of numeric or cursor keys on some computer keyboards.

Latching See toggle.

LCD, LED Liquid Crystal Display and Light Emitting Diode. These are types of display systems. LEDs are the type of displays, commonly used on calculators, which glow and come in various colors: red, blue, green, etc. LCD displays are also common on calculators, but are gray and do not glow.

Levels A system similar to encoding whereby the number of potential selections on an electronic communication aid can be greater than the number of buttons, keys, or scanning positions it has. The user makes one selection to choose a level; each level then has a different programmed value for each key, button, etc. Levels are sometimes known as "pages."

Light Pen An input device operated by pointing to locations on a computer's video screen. The device resembles a pen, and requires some special program to operate. Commonly used to make selections from menus or to create graphics.

Load To transfer a program from storage in memory (for instance on disk) to a computer's RAM. A program must be loaded in order to be run. See also RAM.

Macro A string of characters triggered by a defined shorter set of characters. See also abbreviation expansion.

Mainframe A term frequently used to distinguish large computer systems from mini- or microcomputers. A mainframe system is often designed to receive input from a number of terminals.

Membrane keyboard A keyboard whose individual keys are located under a flexible surface with no openings in it. The user activates the keys by pressing on the membrane.

Memory A system for storing data (information or programs) electronically. Data may be stored on tapes, on disks, or in circuitry. The two types of memory in the circuitry of a computer are ROM and RAM (see these definitions).

Menu A set of selections presented to the user of a computer or electronic aid, usually on a screen or other electronic display. If a program is "menu-driven," this usually means that the user can execute it largely by selecting from menus which the program offers.

Microcomputer An individual and discrete computer system, such as the type most people purchase for home use. This term contrasts with mainframe, a term commonly used to describe larger computer systems which accept input from various terminals, and which generally have larger memory and processing capacities.

Microprocessor The heart of a microcomputer system, the microprocessor is the circuitry that actually does the "computing." Any device which contains a microprocessor, even if it is not a computer per se, can be referred to as "microprocessor-based."

Modem A device which can transmit computer data over telephone lines.

Monitor The TV-like device which displays a video image of the data entered on a computer. Commonly referred to simply as the screen, or sometimes the CRT.

Operating System The program that allows the various parts of a computer system (the disk, the monitor, printers, etc.) to "talk" to each other. The operating system is usually the first thing "loaded" after a computer is turned on, as most other programs require it in order to run.

Optical character reader (OCR) A device which can optically analyze a printed text, recognize the letters or other characters, and store this information as a computer text file. OCRs are usually limited to recognizing the styles and sizes of type for which they are programmed.

Output Anything produced by a computer or any other device, and sent outward from that device. Output may be sent to another computer, to a peripheral, or to some display system such as a monitor.

Overlay A group of symbols, pictures, words, characters, etc. which are placed over the keyboard of a computer or communication device, or over the display of a communication device. The overlay usually reflects what output will be generated when a key is pressed or a selection is made, but for devices with no output other than the indication that a selection has been made, the symbol itself may serve as the message communicated.

Parallel port One type of interface whereby a computer or communication device is connected to another computer or communication device, or to some peripheral input or output device. The connection is frequently located on the back panel of a microcomputer.

Peripheral Any hardware that is separate from the computer itself: printers, speech synthesizers, disk drives, etc.

Phoneme, phonetic spelling A phoneme is a single discrete unit of sound used in speech. Phonetic spelling uses a character for each phoneme, rather than representing pronunciation indirectly as standard spelling does.

Plug In an electrical connection using a male and a female connector, the plug is the male connector. In this volume, the term plug has been frequently used solely to indicate the size and type of connector, and may refer to a device which is actually outfitted with a jack. See also jack.

Port An input/output connection on a computer. Frequently located on the back panel of microcomputers.

Position Any potentially selectable area in a scanning array; for instance, a 10 x 10 array may have 100 positions. When a position is selected, it is considered a selection. Positions are also known as locations.

Program A series of instructions to a computer. A program is what allows the computer user to execute some task on the computer (see software). Commercially available programs are frequently sold stored on disks, but programs may also be written directly on a computer or purchased in firmware form (see firmware).

RAM Random Access Memory. This is the type of memory in a computer where data is placed while it is in use. A program on a disk, for instance, is loaded into the computer's RAM before being run. RAM is cleared when a computer is shut off, however, and so the program must be stored again after being used. Computers are often described in terms of their RAM capacity: a "128K" computer has a RAM capacity of approximately 128,000 bytes (characters) of information. See also disk, memory, ROM.

Refreshable braille display Also known as a dynamic braille display, this type of system uses a set of braille cells, each consisting of six or eight retractable electronically operated reeds. An electronic code sent to the system raises and lowers the reeds to form braille characters which the user can sense by placing the fingers on top of the display. When the display is full, the first cell recomposes itself and the display fills up again. Some displays also scroll.

ROM Read Only Memory. This is permanent memory built into a computer's circuitry by the manufacturer. See RAM.

RS-232 An interface standard for the serial port of a computer or microprocessor-based communication device. Serial ASCII code can be sent via an RS-232 interface.

Scanning A technique for making selections on a communication aid, computer, or environmental control system. Scanning involves moving sequentially through a given set of choices, and making a selection when the desired position is reached. Common physical forms for scanning arrays are menus on a computer screen, grids of squares with lights which light sequentially, and dial faces (like clocks) with pointers which revolve to point to symbols. Types of scanning include automatic, manual, row-and-column, and directed. In automatic scanning, the system scans automatically once started, and the user activates a switch momentarily to stop the scanning. Once stopped, the scanning sequence must be recommenced by another switch. In manual scanning, the user activates a switch continuously to scan the choices, releasing the switch to stop. In row-and-column scanning, the user selects first the row in a grid, then the column. Directed scanning involves using multiple switches or a joystick to scan in the desired direction. See also direct selection.

Semantic compaction A technique for reducing the number of selections a user must make to generate a phrase on a voice-output communication aid. Symbols for semantic units are used rather than number or letter codes (see encoding).

Serial port One type of interface for communication between a computer or electronic communication aid and another computer, electronic communication aid, or peripheral. The fact that two devices both have a serial port, however, does not automatically mean that information can be transferred between them flawlessly.

Software The part of a computer system which is not tangible, that is the programs or information that are processed by a computer or stored in memory. Commercially available software is usually sold in the form of a program or programs stored on a disk. See firmware, hardware, program, disk.

Speech digitizer A device which analyzes speech and converts particular sounds or utterances into digital patterns which can be stored just as other data is stored on a computer. These digital patterns can also be reconverted into their original sounds, allowing the computer to act as a digital "tape recorder." Speech digitization is also used in voice recognition systems. See speech synthesizer, voice recognition.

Speech recognition See voice recognition.

Speech synthesizer In contrast to the speech digitizer, which records and plays back what it "hears," the speech synthesizer receives input in the form of electronic text characters (letters, numbers, punctuation), and converts the discrete characters or words into artificial speech. Most speech synthesizers have a memory and processing system that applies standard pronunciation rules to determine the correct pronunciation. Synthesizers tend to sound more mechanical than digitizers; on the other hand they do not require that each and every phrase to be spoken be recorded beforehand, and they tend to use less memory storage space.

Spreadsheet A type of applications program that is designed for adding, editing, and manipulating tabulated information.

Synthesizer See speech synthesizer.

Talking screen program A program which speaks the contents of the computer's screen via a speech synthesizer. Such a program is usually also equipped with a system that allows the user to "navigate," or find his way around the screen, without the necessity of seeing the screen.

TDD Telecommunication Device for the Deaf. A device which allows a person to transmit typed-in messages over phone lines. Most TDDs have a keyboard for sending messages and an electronic display and/or printer for receiving them. In most cases, people on both ends of the line must have a TDD in order to communicate. TDDs transmit a standard code (see Baudot).

Terminal A device for entering data on the type of computer system which accepts data from more than one source at a time. The typical terminal has a keyboard for entering data and a screen for reviewing the data entered. A terminal does not process information in itself, but sends it on to the host computer system.

Toggle A switching action wherein the switch is turned on with one motion, off with another. Contrasts with momentary contact, wherein a switch remains on or off only while it is being activated by the user, reverting to its "normal" state (either on or off) as soon as it is no longer being activated. A common toggle switch is a wall switch for a light. This action can also be known as latching.

Touch Pad, Touch Screen Devices which allow a person to generate input to a computer by pressing on their surface. A touch pad is usually a continuous membrane surface divided into areas, each of which generates a different input (a character, command, etc.). A touch screen fits over the standard computer screen, and functions similar to a touch pad. Touch pads and screens are frequently used to make selections from menus or to create graphics.

Transparent Usable with all or an entire major class of software. This term is usually applied to a program or device which is usable with nearly all software appropriate to the computer system for which the program or device is designed. One should never assume that a device or program is absolutely transparent to all software without checking with the manufacturer.

Voice Recognition A technique used to recognize certain spoken utterances. A voice recognition system is "trained" to recognize an utterance by digitally encoding it once or several times (see speech digitizer). Thereafter when the system "hears" a phrase spoken, it compares it to the patterns for the utterances it has "heard" before, and matches it to one. All utterances to be recognized must be individually trained, and due to present limits on the technology, the maximum length of a recognized word or phrase is about two seconds. Voice recognition is commonly used in voice input systems for computers, which send a given input to the computer for each recognized utterance.

Word Processor A type of applications software that is used to enter, edit, manipulate, and format text. In order to be considered a word processing program rather than a simple text entry and editing program, a program should have fairly sophisticated capabilities.

Index 1

Products Listed by Function

This index includes lists of products according to Function. Every product in the books with a given function will appear in that list. Within each list products are arranged alphabetically. Following the product name in parentheses are the other functions (coded) assigned to that product.

For example, if you were looking for an aid for Conversation/Interaction and wanted to find an aid that could also perform word processing functions you would look through the Conversation/Interaction (CI) function list and note all of those products with the WP (word processing) code. You would then look at the product descriptions for the several entries meeting both of those needs and contact the manufacturers of those devices you felt best suited the client.

Index 1: Products Listed by FUNCTION

The following is the order of the Functions by which products in this index are listed:

Activities of Daily Living {AD}
Administration and Management {AM}
Alternate Display Systems Usable with All Software {TO}
Alternate Inputs Adaptable for Use with All Software (Transparent With) {TW}
Alternate Inputs Usable with All Software {TI}
Analysis and Reporting Software {AR}
Artificial Larynxes {AL}
Assessment (Evaluation) {AS}
Authoring Programs {AP}
Book/Paper Handling {BP}
Braille {BR}
Braille Printers and Tactile Display Components {BD}
Calculation/Math Aids {CN}
Call, Monitoring, and Memory Systems {CM}
Cognitive Rehabilitation {CR}
Conversation/Interaction {CI}
Database Management/Spreadsheets {DS}
Drawing {DR}
Early Skills (Pre-Reading) {ES}
Education, Training, and Therapy {ET}
Electronic Communication and Writing Aids {EA}
Environmental Controls {EC}
Games {GA}
IEP and IPP {IE}
Input Adapters for Computers {IA}
Input Devices Usable with Only Some Software {ID}
Keyboard Emulating Interfaces (Adapters Only) {KE}
Keyboarding Training Programs {KB}
Keyguards {KG}
Language Therapy/Development {LT}
Large Print Output {LP}
Later Skills (Includes Reading) {LS}
Lipreading (Speech Reading) {LR}
Modifications for Standard Keyboards {KM}
Mouse and Touch Pad Emulation {MT}
Non-Electronic Communication Aids {NA}
Personal Tools or Aids (for Speaking, Writing, Drawing, Controlling, etc.) {PA}
Phone Control/Access {PC}
Pointing and Typing Aids {PT}
Portable Writing {PW}
Recreation {RE}
Screen (Display) to Voice {SV}
Signing {SI}
Speech Aids {SA}
Speech Synthesizers {SS}
Speech Therapy (not Language Therapy) {ST}
Telecommunication {TL}
Telecommunication Devices for the Deaf (TDD's) {TD}
Terminal Emulators (Special Only) {TE}
Training and Communication Initiation Aids {TR}
Vocational {VO}
Voice Amplifiers {VA}
Word Processing (Writing) {WP}

The following is a list of the Function codes which may appear in parentheses after items in this index:

AD	Activities of Daily Living
AL	Artificial Larynx
AM	Administration or Management
AP	Authoring Program
AR	Analysis or Reporting Software
AS	Assessment (Evaluation)
BD	Braille Printer or Tactile Display Component
BP	Book/Paper Handling
BR	Braille
CI	Conversation/Interaction
CM	Call, Monitoring, or Memory System
CN	Calculation/Math Aid
CR	Cognitive Rehabilitation
DR	Drawing
DS	Database Management/Spreadsheet
EA	Electronic Communication or Writing Aid
EC	Environmental Control
ES	Early Skills (Pre-Reading)
ET	Education, Training, or Therapy
GA	Game
IA	Input Adapter for Computer
ID	Input Device Usable with Only Some Software
IE	IEP or IPP
KB	Keyboarding Training Program
KE	Keyboard Emulating Interface
KG	Keyguard
KM	Modification for Standard Keyboard
LP	Large Print Output
LR	Lipreading (Speech Reading)
LS	Later Skills (Includes Reading)
LT	Language Therapy/Development
MT	Mouse or Touch Pad Emulation
NA	Non-Electronic Communication Aid
PA	Personal Tool or Aid (for Speaking, Writing, Drawing, Controlling, etc.)
PC	Phone Control/Access
PT	Pointing or Typing Aid
PW	Portable Writing
RE	Recreation
SA	Speech Aid
SI	Signing
SS	Speech Synthesizer
ST	Speech Therapy (not Language Therapy)
SV	Screen (Display) to Voice
TD	Telecommunication Device for the Deaf (TDD)
TE	Terminal Emulator (Special Only)
TI	Alternate Input Usable with All Software
TL	Telecommunication
TO	Alternate Display System Usable with All Software
TR	Training or Communication Initiation Aid
TW	Alternate Input Adaptable for Use with All Software (Transparent With)
VA	Voice Amplifier
VO	Vocational
WP	Word Processing (Writing)

Activities of Daily Living {AD}

Software designed to teach daily living skills. Other software and hardware may be useful in daily living, but not listed here.

Functional Skills Screening Inventory *(AR,AS,VO) 3-176*
Money Skills *(CN,ET,LS) 4-184*
PII - Personalized Information for Independence *(AR,CR,ET,LS) 3-254*
Survival Words *(AS,ET,LS,LT) 3-275*

Administration and Management {AM}

Software that deals with administrative or managerial functions of rehabilitation or special education professionals. Programs must be specifically designed for these purposes. This category includes programs for generating reports (such as IEPs) and programs for analyzing test results. If a program is used directly for assessing students or clients, it is listed under Assessement (AS).

Ability-Achievement Discrepancy *(AR) 3-147*
Access-Ability Database *(DS,VO) 4-139*
AIMstar *(AR) 3-147*
Analytic Learning Disability Assessment (ALDA-EZ) *(AR) 4-139*
Arlin Test of Formal Reasoning Computer Report *(AR) 4-140*
Articulation Error Analysis *(AR,ST) 3-148*
Articulation Error Analysis (AEA) *(AR,ST) 3-148*
Articulator: Goals and Objectives for Speech *(IE,ST) 3-149*
ASIEP Computer Scoring and Interpretation *(AR) 3-149*
Automated IEP System and Professional Goal Banks *(IE) 3-150*
Automated IEP System and SCOR Goal Banks *(IE) 3-150*
Basic Skills Reporting System *4-140*
Bender Report *(AR) 4-141*
Chapter 1 Tracking & Reporting *4-141*
Child Placement Report Writer *(AR) 3-151*
Clinical Data Manager *(AR) 3-151*
Communication Board Construction *(DR) 4-142*
Compuscore: For the Scales of Independent Behavior *(AR) 3-152*
Computer Analysis of Phonological Processes (CAPP) *(AR,ST) 4-142*
Computerized Inventory of Basic Skills (CIBS) *(AR,IE) 4-143*
Customized Student Objectives *(AR,IE) 4-143*
Detroit Tests of Learning Aptitude (DTLA-2 & DTLA-P) *(AR) 4-144*
DPS:Decision Pathing System *(AP,IE) 3-152*
DPS:HELP *(AR,IE) 3-153*
EdPLAN and EdPLAN+ *(IE) 4-144*
ESS Rehabware *3-153*
Explorer *(AR) 3-154*
Frenchay Dysarthria Assessment *(AR,AS,ST) 3-154*
G-S-T C.A.M. *(IE) 4-145*
Goals and Objectives *(IE) 4-145*
Hypernasality *(AR,ST) 3-155*
IEP Manager, Revised *(IE) 3-155*
IEP System *(IE) 4-146*
IEP Writer *(AR,IE,ST) 3-156*
Individual Performance Graph Pak *(AR) 3-156*
Individualized Planning System *(AR) 3-157*
Isabel *(AS,DS,VO) 4-146*
J-Wear Objective Mastery Report *(AR) 3-157*
JOBS System *(AR,AS,VO) 3-178*
Language Intervention Planner *(AR,LT) 3-158*
Learning Skills Profile *(AR) 4-147*
Minimum Competency Program Writer *(IE) 4-147*
Modularized Student Management System (MSMS-SC) *(IE) 4-148*
Multipurpose Authoring Language *(AP) 4-148*
Parrot Easy Language Sample Analysis (PELSA) *(AR,AS,LT) 3-158*
PEPPER *(AR,ST) 3-159*
PIAT Error Analysis Report (PEAR) *(AR) 3-159*
Picapad *(AR,CR) 3-160*
Planning Individualized Speech & Language Intervention *(AR,IE) 3-160*
PRE-MOD II *(AR,AS) 3-161*
Pro-Score Systems *4-149*
Progress Monitoring Program *(AR,IE) 4-149*
Report Generator *(IE) 4-150*
Report Writer: Adult's. . . Tests *(AR) 4-150*
Report Writer: Children's. . . Tests 1.1 *(AR) 4-151*
SALT (Systematic Analysis of Language Transcripts) *(AR,LT) 3-161*
Severe Discrepancy Analysis *(AR) 4-151*
Slosson Intelligence Test - Computer Report (SIT-CR) *(AR) 4-152*
Sound Search II *(ST) 3-162*
Special Education Enrollment Register (SEER) *4-152*
Special Education Reporting System *4-153*
Stanford-Binet Computer Report (SB-CR) *(AR) 3-162*
TALLEY Goals and Objectives Writer *(IE) 4-153*
Target Management System *(AR,IE) 4-154*
UNISTAR Pre-IEP Report *(IE) 3-163*
VOC Matching and VOC Report *(AR,VO) 3-163*
WAIS-Riter 'BASIC' *(AR) 3-164*
Wechsler Adult Intelligence Scale-Revised (WAIS-R) *(AR) 3-164*
Wechsler Memory Scale Interpretation Aid *(AR) 4-154*
Wechsler Preschool and Primary Scale on Intelligence *(AR) 4-155*
WISC-R Compilation: What To Do Now_ *(AR) 3-165*
WISC-R Computer Report (WISC-RCR) *(AR) 3-165*
WISC-Riter 'BASIC' *(AR) 3-166*
WISC-Riter Complete *(AR) 3-166*
Woodcock Reading Mastery Tests Error Analysis Report *(AR) 3-167*
Word Class Inventory for School Age Children *(AR,LT) 3-167*
Workshop Information Manager *(VO) 4-155*

Alternate Display Systems Usable with All Software {TO}

Special output systems that can be used to supplement, or in place of, the standard computer display (the screen). These output systems provide large print, synthesized voice, or tactile patterns (such as braille) as output. The products included are generally those which (1) provide "transparent" access to standard commercially available software, and (2) provide ongiong changing feedback, such as the screen would provide. Some related function codes are: Large Print (LP), Screen Display to Voice (SV) and Braille (BR).

Artic Vision *(SV) 3-81*
AudiBraille Computer *(BR,SV) 3-81*
Basic Interpreter for the Blind *(SV) 3-82*
Beamscope II *(LP) 3-82*
Bigprint *(LP) 4-107*
Blackboard *(SV) 4-107*
Brailink III *(BD,BR,TI) 3-83*
Braille 'n Speak *(BR,PW,SV) 4-108*
Braille Display Processor *(BR) 3-83*
Braille Interface Terminal (B.I.T) *(BR,TI) 4-108*
BraT *(BD,BR,TE,TL) 3-84*
Business Vision *(SV) 4-109*
Compu-Lenz *(LP) 3-84*
Easy Vision *(SV) 4-109*
Echo Commander *(SV) 4-110*
Enable Reader *(SV) 3-85*
Enhanced PC Talking Program *(SV) 3-85*
Expand-a-View *(LP) 3-86*
Flipper *(SV) 4-110*
Freedom 1 *(SV) 3-86*
IBM Personal System/2 Screen Reader *(SV) 4-111*
inLARGE *(LP) 3-87*
K Talker *(SV) 3-87*
Keynote *(PA,PW,SV,TL,WP) 3-88*
Kurzweil Reading Machine *(TI) 4-85*
Large Print Display Processor *(LP) 3-88*
Large Print DOS *(LP) 4-111*

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LimeLight *(LP) 3-89*
Lyon Large Print Program *(LP) 3-89*
MacProjector Model I & II *(LP) 4-112*
Magic Keyboard *(LP) 3-90*
MagniLink *(LP) 3-90*
Microbrailler 2400 *(BD,BR,PW,WP) 3-107*
Optacon *(BD,LP) 3-91*
PC Lens *(LP) 3-91*
PC Speak *(SV) 3-92*
PC Vert *(SV) 3-92*
PC Voice *(SV) 3-93*
PC-Braille *(BR) 3-93*
Print-it *3-94*
Printer Control Program *(LP) 4-112*
ProTERM *(SV,TE) 3-94*
PROVOX *(SV) 3-95*
SCAT (Screen Articulator) *(SV) 3-95*
Screen-Talk Pro *(SV) 3-96*
SKERF-Pad *(SV) 4-113*
Small Talk *(CI,CN,PW,SV,WP) 1-75*
Soft Vert *(SV) 3-96*
Speaqualizer *(SV) 4-113*
Speech Enable *(SV) 4-114*
Talking TermExec *(SV) 3-97*
Tall Talk Prints *(LP,SV) 3-97*
Tall Talk Screens *(LP,SV) 3-98*
TexTalker 3.1.2 *(ET,SV) 4-114*
Textalker.Blind and Other Echo Utilities *(ET,SV) 3-98*
Travel Talk *(CN,PW,SV,WP) 4-115*
UNI-PTC TDD *(CI,CN,PA,PC,TD,TL) 4-216*
V.P. *(SV) 3-99*
Vantage *(LP) 3-99*
Verbal Convertible *(CI,CN,EA,PW,SV) 4-115*
Verbal Operating System *(KM,SV) 4-116*
Verbal View *(LP) 4-116*
VersaBraille II+ *(BD,BR,PW) 4-117*
Vert Plus *(SV) 3-100*
Video-Voice *(SV) 4-117*
Viewscan Text System *(CN,LP,PA,PW,TE,WP) 3-100*
Vista *(LP) 3-101*
Voice Interactive Computer System *(SS,TI) 4-94*
Words-to-Voice *(SV,WP) 3-101*

Alternate Inputs Adaptable for Use with All Software (Transparent With) {TW}

Devices that can serve as an alternate input to computer if they are connected via some special adapter. With the adapter, the alternate input device will be "transparent," that is it will "look" to the computer just like the standard input device (keyboard, mouse, etc.) to which it is equivalent. Some electronic communication aids fall into this category.

Canon Communicator M *(CI,EA,PW,TI) 1-63*
Deuce *(EC,PC) 2-48*
Equalizer *(CI,DR,EA,PW,RE,TI) 1-64*
EXPAND *(TI) 3-29*
Expanded Keyboards *(TI) 3-30*
Express 3 *(CI,EA,EC,PW,TI) 1-65*
Game Paddle for Apple II Computers *(TI) 3-32*
Handy Terminal *(EA,PW,TI) 1-67*
ICOMM *(CI,EA,PW,TI) 1-68*
Light Talker *(CI,EA,EC,PW,TI) 1-68*
Minspeak 1 *(CI,EA,EC,PW,TI) 1-70*
MOD Keyboard System *(CI,TI) 3-40*
ScanPAC/Epson *(CI,CN,EA,EC,PW,TI) 1-74*
SpeechAid *(CI,EA,PW,TI) 1-76*
SpeechPAC/Epson *(CI,EA,EC,PW,TI) 1-76*
Touch Talker *(CI,EA,EC,PW,TI) 1-80*
Trine System (ACS) *(CI,EA,PW,TI,WP) 1-80*
Trine System (Words+) *(CI,EA,PW,TI,WP) 1-81*
Unicorn Expanded Keyboard *(TI) 3-50*
VOIS 136 *(CI,EA) 4-41*
Zygo Model 100 *(CI,EA,ET,PW,TI) 1-85*
Zygo scanWRITER *(CI,EA,EC,PW,TI) 1-86*

Alternate Inputs Usable with All Software {TI}

Alternate input systems which provide "transparent" access to a computer. "Alternate input" refers to a special device used as an alternative to the computer's standard input devices, including not only keyboards but also joysticks, mice, etc. "Transparent" means that the special input device can perform any operation that its standard equivalent can perform. See also Alternate Inputs Adaptable for Use with All Software (TW) and Input Devices Usable with Only Some Software (ID). Products are cross-referenced by input type in Index 2.

Access-Ability *3-23*
ACS Medicom Computer System *(CI,EC,PC,TL) 3-23*
Adaptive Firmware Card *(IA,KE,KM) 3-24*
Adaptive Firmware Card Model G32 *(IA,KE,KM) 4-81*
ALTKEY *3-24*
Brailink III *(BD,BR,TO) 3-83*
Braille Interface Terminal (B.I.T) *(BR,TO) 4-108*
Butler-in-a-Box *(EC,PC) 2-46*
Canon Communicator M *(CI,EA,PW,TW) 1-63*
Compudapter *3-25*
Computer Entry Terminal *3-25*
Computer Entry Terminal II *4-81*
Coretechs VET3 *3-26*
D-TACH Apple Keyboard *4-82*
DART-5000 *(WP) 3-26*
Datacopy Model 730 *4-82*
DP-200 Connected Speech Recognizer *3-61*
Ears *3-27*
echoBOX *(KM) 4-83*
EDACTS Keyboard *(CI,EC,WP) 3-27*
Elementary MOD Keyboard System *(CI,ET,LP) 3-28*
Enable Writer *3-28*
Equalizer *(CI,DR,EA,PW,RE,TW) 1-64*
EXPAND *(TW) 3-29*
Expanded Keyboard for Apple II+ and IIe *(KG) 3-29*
Expanded Keyboard for Apple Macintosh *4-83*
Expanded Keyboard for Commodore 64 *(KG) 3-29*
Expanded Keyboard for IBM-PC *(KG) 3-29*
Expanded Keyboards *(TW) 3-30*
Expanded Keyboards for the Adaptive Firmware Cards *3-30*
Expanded Keyboards for the Talking BlissApple *(KG) 3-31*
Express 3 *(CI,EA,EC,PW,TW) 1-65*
EyeTyper *(CI,EA,EC) 1-66*
EyeTyper 300 *(CI,EA,EC,PW) 4-37*
EyeTyper Model 200 *(CI,EA,EC,PW) 1-66*
EZMorse Keyboard Emulator *3-44*
FingerTip Controller *3-31*
Footmouse *(MT) 3-32*
Game Paddle for Apple II Computers *(TW) 3-32*
HAL (Home Automation Link) *(EC,PC) 4-84*
Handy Terminal *(EA,PW,TW) 1-67*
Head Switch *2-18*
HeadMaster *(MT) 3-33*
ICOMM *(CI,EA,PW,TW) 1-68*
IntroVoice I & II *3-33*
IntroVoice III *3-34*
IntroVoice V *3-34*
IntroVoice VI *(SS) 4-84*
Jet Reader *4-85*
Keasyboard *(KG) 3-35*
Kennedy Switch Key Software *(CI,ET) 3-136*
Keyboard Emulator *3-35*
Keyport 300 *3-36*
Keyport 60 *3-36*
King Keyboard *3-37*
Kurzweil Reading Machine *(TO) 4-85*
Kurzweil Voicesystem *3-38*
Light Talker *(CI,EA,EC,PW,TW) 1-68*
Lis'ner 1000 *(SS) 4-86*
Lite Touch *(DR,GA,RE) 3-38*
McIntyre *(MT) 4-86*
Mind Master *(GA,RE) 3-39*
Mini Keyboard *3-39*
Minspeak 1 *(CI,EA,EC,PW,TW) 1-70*
MOD Keyboard System *(CI,TW) 3-40*

Modified Joystick *2-25*
Morse-Code Based Keyboard Emulator *3-40*
Mouse Emulator *(MT) 4-87*
Mouth Operated Controller for Quads *3-41*
MS-300A *4-87*
Octima Chord Keyboard *4-88*
Omni-Reader *4-88*
PC AID *3-41*
PC Reader *3-42*
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Personal Computer Scanner (PCS) *4-89*
PhotoPAC/EvalPAC *(AS,CI,EA,EC,ET,PW) 1-71*
Powerpad Starter Kit for IBM-PC *4-90*
Pressure Sensitive Expanded Keyboard *3-43*
Pronounce *3-43*
Proportional Keystroke Scanner *4-90*
PS-2000 *4-91*
quadLynx Trackball *(MT) 3-44*
Ready Reader *3-45*
Remote Keyboard for the Apple II+ and IIe *(DR) 3-46*
SAR-10 Voice Plus *3-46*
Scan 300 *4-91*
Scan 300/FB *4-92*
Scan 300/SF *4-92*
ScanPAC/Epson *(CI,CN,EA,EC,PW,TW) 1-74*
Screenkeys with LROP *3-47*
Smartline Smartboard *(KM) 4-93*
Special Inputs Disk *(AS,ET,KM) 3-47*
Speech Recognition Keyboard *3-48*
SpeechAid *(CI,EA,PW,TW) 1-76*
SpeechPAC/Epson *(CI,EA,EC,PW,TW) 1-76*
SR-100 Voice Input Terminal *3-48*
Ten Key Board *3-64*
TI-Speech *3-49*
Tongue Controller *3-49*
Touch Talker *(CI,EA,EC,PW,TW) 1-80*
Trine System (ACS) *(CI,EA,PW,TW,WP) 1-80*
Trine System (Words+) *(CI,EA,PW,TW,WP) 1-81*
Turbo Select *(CI,EC,KM,MT) 4-93*
Unicorn Expanded Keyboard *(TW) 3-50*
VCS1000 *4-94*
VocaLink CSRB-LC *3-50*
VocaLink Series 4000 *3-51*
VocaLink SYS300 *3-51*
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Voice Card *3-52*
Voice Command System *3-53*
Voice Communications Option *(PC,SS,SV,TL) 3-53*
Voice Communications System *(PC) 3-54*
Voice Driver *3-54*
Voice Interactive Computer System *(SS,TO) 4-94*
Voice Systems Package *(SV) 3-55*
Voice-Key *4-95*
Voicescribe-1000 *3-55*
Voicescribe-20000 *3-56*
VTR 6050 Series II *3-56*
Words+ Software Keyboard Emulator (WSKE) *4-95*
Zygo Model 100 *(CI,EA,ET,PW,TW) 1-85*
Zygo scanWRITER *(CI,EA,EC,PW,TW) 1-86*
Zygo TETRAscan II *3-57*

Analysis and Reporting Software {AR}

Testing or assessment programs that have a built-in component for analyzing results and generating reports. Analysis component must be fairly sophisticated.

Ability-Achievement Discrepancy *(AM) 3-147*
AIMstar *(AM) 3-147*
Alphabet with Tom and Andy *(ES,ET) 3-189*
Analytic Learning Disability Assessment (ALDA-EZ) *(AM) 4-139*
Arithmetic 1, 2, and 3 with Speech *(CN,ET,LS,SV) 3-191*
Arlin Test of Formal Reasoning Computer Report *(AM) 4-140*
Articulation Error Analysis *(AM,ST) 3-148*
Articulation Error Analysis (AEA) *(AM,ST) 3-148*
ASIEP Computer Scoring and Interpretation *(AM) 3-149*
Assessment of Intelligibility of Dysarthric Speech *(AS,ST) 3-171*
Audible Career Explorer *(AS,VO) 3-172*
Bender Report *(AM) 4-141*
CARA (Computer Assisted Reading Assessment) *(AS,LS) 3-173*
Child Placement Report Writer *(AM) 3-151*
Choice Maker I *(ES,ET) 3-198*
Clinical Data Manager *(AM) 3-151*
Comprehension Power Program *(ET,LS) 3-203*
Comprehensive Phonemic Inventory for Children, 2.0 *(AS,ST) 3-174*
Compuscore: For the Scales of Independent Behavior *(AM) 3-152*
Computer Analysis of Phonological Processes (CAPP) *(AM,ST) 4-142*
Computer Managed Articulation Diagnosis *(AS,ST) 3-174*
Computer Managed Articulation Treatment *(ET,ST) 3-205*
Computer Managed Language Treatment *(ET,LT) 3-206*
Computer Managed Screening Test *(AS,LT,ST) 3-175*
Computer Progs. for Neuropsychological Testing & Rehab. *(CR,ET,LS) 3-206*
Computerized Inventory of Basic Skills (CIBS) *(AM,IE) 4-143*
Computerized Reading for Aphasics *(AS,CR,ET,LS) 3-207*
CREATE *(AS,CR,ES,ET,LS) 3-209*
Customized Student Objectives *(AM,IE) 4-143*
Detroit Tests of Learning Aptitude (DTLA-2 & DTLA-P) *(AM) 4-144*
DPS:HELP *(AM,IE) 3-153*
Explorer *(AM) 3-154*
Fact Master *(AS,CN,ET) 3-215*
Fingerspeller *(AS,ET,SI) 3-217*
Following Directions *(ES,ET) 3-221*
Foundations I *(CR,ES,ET) 3-221*
Foundations II *(CR,ES,ET) 3-222*
Frenchay Dysarthria Assessment *(AM,AS,ST) 3-154*
Function Recognition *(CR,ES,ET) 3-223*
Functional Skills Screening Inventory *(AD,AS,VO) 3-176*
Handi-Keys *(AS,KM) 3-5*
HELP Linguidisks *(CR,ET,LS,LT) 3-225*
Holidays *(CR,ET,LS,LT) 3-226*
Hypernasality *(AM,ST) 3-155*
IEP Writer *(AM,IE,ST) 3-156*
Individual Performance Graph Pak *(AM) 3-156*
Individualized Planning System *(AM) 3-157*
J-Wear Objective Mastery Report *(AM) 3-157*
Job Search and Local Job Bank *(AS,VO) 3-177*
JOBS System *(AM,AS,VO) 3-178*
Language Intervention Planner *(AM,LT) 3-158*
Language L.A.B. *(AP,ES,ET,LT) 3-234*
Language Stimulation Software Series *(ET,LS,LT) 3-234*
Learning Skills Profile *(AM) 4-147*
Mathtalk *(CN,ET) 3-242*
Memory Patterns *(AS,ES,ET,LT) 3-244*
MESA *(AS,VO) 3-178*
Micro Speech Lab *(ET,ST) 3-245*
Minimal Contrast Therapy *(ET,ST) 3-246*
Mix 'N Match *(ES,ET) 3-247*
Parrot Easy Language Sample Analysis (PELSA) *(AM,AS,LT) 3-158*
PEPPER *(AM,ST) 3-159*
PIAT Error Analysis Report (PEAR) *(AM) 3-159*
Picapad *(AM,CR) 3-160*
PII - Personalized Information for Independence *(AD,CR,ET,LS) 3-254*
Planning Individualized Speech & Language Intervention *(AM,IE) 3-160*
Point to Pictures Development Kit *(AP,AS,ES,ET) 3-255*
Point to Pictures Discrimination Kit *(AS,ES,ET,TR) 3-255*
PRE-MOD II *(AM,AS) 3-161*
Preposition Recognition *(CR,ES,ET,LT) 3-257*

Process Analysis Version 2.0 *(AS,ST) 3-180*
Progress Monitoring Program *(AM,IE) 4-149*
Reading Recognition *(AS,ET,LS) 3-262*
Report Writer: Adult's... Tests *(AM) 4-150*
Report Writer: Children's... Tests 1.1 *(AM) 4-151*
SAGE System *(AS,VO) 3-181*
SALT (Systematic Analysis of Language Transcripts) *(AM,LT) 3-161*
Severe Discrepancy Analysis *(AM) 4-151*
Single-Input Assessment Software *(AS,ET,TR) 3-182*
Slosson Intelligence Test - Computer Report (SIT-CR) *(AM) 4-152*
Stanford-Binet Computer Report (SB-CR) *(AM) 3-162*
Switchmaster *(AS,ES,ET) 3-275*
Target Management System *(AM,IE) 4-154*
Teaching Vocabulary LinguiDisks *(ET,LT) 3-281*
Toy Assessor *(AS,ES,ET) 3-284*
Toy Scanner *(AS,ET) 3-284*
Twenty Categories *(ET,LS) 3-285*
Video Voice *(ET,ST) 3-288*
Visi-Pitch Model 6095 *(ET,ST) 3-288*
Visual Recognition *(AS,ES,ET,LT) 3-289*
Visual/Perceptual Diagnostic Testing & Training Progs. *(AS,CR,ES,ET) 3-184*
Visuospatial Skills *(CR,ET) 3-290*
VOC Matching and VOC Report *(AM,VO) 3-163*
WAIS-Riter 'BASIC' *(AM) 3-164*
Wechsler Adult Intelligence Scale-Revised (WAIS-R) *(AM) 3-164*
Wechsler Memory Scale Interpretation Aid *(AM) 4-154*
Wechsler Preschool and Primary Scale on Intelligence *(AM) 4-155*
WISC-R Compilation: What To Do Now... *(AM) 3-165*
WISC-R Computer Report (WISC-RCR) *(AM) 3-165*
WISC-Riter 'BASIC' *(AM) 3-166*
WISC-Riter Complete *(AM) 3-166*
Woodcock Reading Mastery Tests Error Analysis Report *(AM) 3-167*
Word Class Inventory for School Age Children *(AM,LT) 3-167*
Word Recognition *(AS,ES,ET,LT) 3-294*
World of Counting *(CN,ET) 3-294*

Artificial Larynxes {AL}

Products that produce artificial vocalization (vocal tone) in the throat or mouth in order to allow oral speech.

Cooper Rand Electronic Speech Aid *(SA) 1-3*
Electronic Artificial Larynx *(SA) 1-3*
Electronic Voice Synthesizer *(SA) 4-3*
Neovox *(SA) 1-4*
Osaka Speech Aid *(SA) 4-4*
P.O. Vox *(SA) 1-4*
P.O. Vox Companion *(SA) 1-5*
Park Electronic Artificial Larynx *(SA) 4-4*
Servox *(SA) 1-5*
SERVOX Inton *(SA) 4-5*
Tokyo Speech Aid *(SA) 4-5*
Venti-Voice *(SA) 1-6*

Assessment (Evaluation) {AS}

Products (not limited to computer hardware or software) which are designed to be assessment or evaluation tools. This designation is based upon the manufacturer's description; other products may be useful for assessment that are not so coded.

Ability Switch Tester *(ET,TR) 1-15*
AbleNet Control Unit *(EC,ET,TR) 1-15*
ACES *(ET) 3-171*
Active Stimulation Programmer *(EC,ET,TR) 1-16*
Active Therapy System (ACTS) *(EC,ET,TR) 4-164*
Activity Board *(EC,TR) 1-16*
Adventures of Jimmy Jumper - Prepositions *(ES,ET,LT) 3-282*
And Or Box *(TR) 4-15*
Apple Demo Disk *(ET) 3-190*
Appliance Genie *(EC,ET,PA) 3-307*
Assessment of Intelligibility of Dysarthric Speech *(AR,ST) 3-171*
Audible Career Explorer *(AR,VO) 3-172*
Audio Control Unit Model 112 *(TR) 4-16*
Battery Adapter *(ET,TR) 1-17*
Battery Device Adapter *(ET,TR) 1-17*
Battery Device Timer *(TR) 4-16*
Battery Interface *(ET,TR) 1-18*
Beeper *(CM,TR) 2-75*
Brunswick Hospital Cognitive Assessment & Retraining *(CR,ET) 4-166*
ButtonCount Switch Assessment *3-172*
Call Bell *(CM,TR) 2-76*
Call Signal 2 *(CM,TR) 2-76*
Captain's Log: Cognitive Training System *(CR,ES,ET,LS) 3-196*
CARA (Computer Assisted Reading Assessment) *(AR,LS) 3-173*
Catch the Cow *(ET) 3-173*
Cause-Effect Graphics *(ET,TR) 4-167*
Choice Board *(ET,NA) 1-42*
Clock Communicator *(CI,ET,TR) 1-18*
Com Board *(CI,ET,TR) 1-19*
Communiclock *(CI,ET,TR) 1-19*
Compartmentalized Communicator *(CI,ET,TR) 1-20*
Comprehensive Phonemic Inventory for Children, 2.0 *(AR,ST) 3-174*
Computer Graphics for the Photo Articulation Test *(ST) 4-159*
Computer Managed Articulation Diagnosis *(AR,ST) 3-174*
Computer Managed Screening Test *(AR,LT,ST) 3-175*
Computerized Reading for Aphasics *(AR,CR,ET,LS) 3-207*
Control Unit Model 101 *(TR) 4-17*
Control Unit Model 201 *(TR) 4-17*
Control Without Keyboards *(CI,ET,PA) 3-315*
ControlPAC *(EC,ET) 2-48*
Counter Box *(TR) 4-18*
Counter Module *(ET,TR) 1-20*
CREATE *(AR,CR,ES,ET,LS) 3-209*
Deafsign *(ET,SI) 3-210*
Delay Timer *(EC,ET,TR) 1-21*
Dial Scan *(CI,ET,TR) 1-21*
DPS:BCP *(AP,ET) 3-175*
Dual Channel Latching Switch Interface *(EC,ET,TR) 1-22*
Dual Switch Latch and Timer *(EC,ET,TR) 1-22*
E-Tran Scanner *(CI,ET,TR) 1-23*
Environmental Control Unit *(TR) 4-18*
Evaluate *(KB) 4-159*
Evaluation System *(ET) 3-176*
Fact Master *(AR,CN,ET) 3-215*
Fingerspeller *(AR,ET,SI) 3-217*
Frenchay Dysarthria Assessment *(AM,AR,ST) 3-154*
Functional Skills Screening Inventory *(AD,AR,VO) 3-176*
Game Power for Phonics, Plus *(ET,LS) 3-177*
Handi-Keys *(AR,KM) 3-5*
Idioms in America *(ET,LS,LT) 3-227*
Invertor Module *(TR) 4-19*
Isabel *(AM,DS,VO) 4-146*
Job Readiness Series *(ET,VO) 3-228*
Job Search and Local Job Bank *(AR,VO) 3-177*
JOBS System *(AM,AR,VO) 3-178*
Keyboarding for the Physically Handicapped *(ET,KB) 3-231*
Keypad *(TR) 4-19*
Keypad Trainer *(TR) 4-20*
Kid-Talk I *(ET,LS) 4-177*
Laryngograph *(ET,ST) 4-180*
Learning Workshop *(ES,ET) 3-235*
Lenical *(AP,ET) 3-236*
Lighted Extra Loud Signalling Buzzer *(CM,TR) 2-79*
Lighted Signalling Buzzer *(CM,TR) 2-79*
Lighted Vibrating Signalling Buzzer *(ET,TR) 1-23*
Lip-Reader Trainer *(ET,LR) 3-237*
LogicMaster *(ET,LS) 3-238*
Logo TouchTools for the PowerPad *(ES,ET) 3-239*

Memory Patterns *(AR,ES,ET,LT) 3-244*
MESA *(AR,VO) 3-178*
Micro-LADS *(ET,LT) 3-179*
Microcomputer Evaluation of Career Areas (MECA) *(VO) 3-179*
Motor Training Games *(ET,GA,RE) 3-301*
Multi-Input Selector *(EC,ET,TR) 1-24*
Multi-Scan *(CI,ET,PA,TR) 3-329*
Multiswitch Module *(TR) 4-20*
Nasometer *(ET,ST) 4-186*
Nine Volt Battery Adaptor Module *(TR) 4-21*
Numberswitch *(ET,TR) 4-186*
Parrot Easy Language Sample Analysis (PELSA) *(AM,AR,LT) 3-158*
Perceptual Motor Trainer *(ET,TR) 1-24*
PhotoPAC/EvalPAC *(CI,EA,EC,ET,PW,TI) 1-71*
Picture Scanner - Software for Assessment *(ET) 3-180*
Play and Match *(ET,ID,TR) 4-187*
Poc-Ett System *(CI,ET,TR) 1-25*
Point to Pictures Development Kit *(AP,AR,ES,ET) 3-255*
Point to Pictures Discrimination Kit *(AR,ES,ET,TR) 3-255*
Practice Communication Cards *(CI,ET,NA) 1-55*
PRE-MOD II *(AM,AR) 3-161*
Primer 83 *(ET,LS) 3-257*
Process Analysis Version 2.0 *(AR,ST) 3-180*
Puff'N Buzzer Switch *(CM,TR) 2-81*
Push-On-Push-Off Module *(EC,ET,TR) 1-25*
Puzzle Switches *(TR) 4-21*
Quiet Duck Learning Series *(ET,KB,LS) 3-259*
Rabbit Scanner *(ES,ET) 3-260*
Reading Recognition *(AR,ET,LS) 3-262*
Rhythm Generator *(TR) 4-22*
SAGE System *(AR,VO) 3-181*
Sequential Scanner *(CI,ET,TR) 1-26*
Series Adapter *(TR) 4-22*
Signal Buzzer *(CM,TR) 2-82*
Single Switch Assessment Program *(ET,TR) 3-181*
Single-Input Assessment Software *(AR,ET,TR) 3-182*
Small Clock Communicator *(CI,ET,TR) 1-26*
Software Simulations of Communication Prostheses *(CI,ET) 3-182*
Sound Match *(ES,ET) 3-268*
Special Inputs Disk *(ET,KM,TI) 3-47*
Speller Teller *(CI,ET,TR) 1-27*
Steeper Communication/Teaching Aid *(CI,TR) 4-23*
STIM-U-LITE *(ES,ET,TR) 1-28*
Survival Words *(AD,ET,LS,LT) 3-275*
Switch Latch *(EC,ET,TR) 1-28*
Switch Latch *(EC,ET,TR) 1-29*
Switch Latch/Timer *(TR) 4-23*
Switchmaster *(AR,ES,ET) 3-275*
Symbol Training Display *(ET,TR) 1-29*
Symbol Writer *(ES,ET,GA) 3-276*
Talking With Your Touch Window *(CI,ET,TR) 4-192*
Tape-A-Message *(ET,PC,TR) 1-30*
Target *(CI,ET,TR) 3-280*
Timer 90-1 *(TR) 4-24*
Timer and Counter *(EC,ET,TR) 1-31*
Timer Module *(EC,ET,TR) 1-31*
Touch Com *(CI,ET,TR) 3-183*
Toy Adapter *(TR) 4-25*
Toy Adapter Cable *(ET,TR) 1-32*
Toy Assessor *(AR,ES,ET) 3-284*
Toy Cable *(ET,TR) 1-32*
Toy Scanner *(AR,ET) 3-284*
ToyPAC *(EC,ET,RE,TR) 1-33*
Training Aid 2 *(EC,ET,TR) 1-33*
Tri-Responder *(ET,TR) 1-34*
Variable Position Scanner *(CI,ET,TR) 1-34*
Versascan *(CI,ET,TR) 1-35*
Vibrating Sack *(ET,TR) 1-35*
Visagraph Eye-Movement Recording System *(ET) 3-183*
Visual Recognition *(AR,ES,ET,LT) 3-289*
Visual/Perceptual Diagnostic Testing & Training Progs. *(AR,CR,ES,ET) 3-184*
Voice Mate II *(ET,TR) 1-36*
Word Recognition *(AR,ES,ET,LT) 3-294*
Zygo Model 16C *(CI,ET,TR) 1-36*
Zygo Model 20 *(ET,TR) 1-37*
Zygo Model 21S *(ET,TR) 1-37*
Zygo Model 4 *(CM,TR) 2-85*

Authoring Programs {AP}

Programs designed for creating or modifying other programs. Simple adjustments such as setting skill level on an education program are not sufficient to qualify it as an authoring program.

Blissymbolics: Bliss Library *(PA) 3-309*
Brainz *(ET) 3-196*
Commodore Light Pen *(DR,ID) 3-61*
Creativity Tool Box *(DR,ET,RE) 3-299*
DPS:BCP *(AS,ET) 3-175*
DPS:Decision Pathing System *(AM,IE) 3-152*
E-Z Pilot II Authoring System and Training Package *(PA) 3-316*
EZ Pilot for PowerPad *(ET) 3-214*
Fay: The Word Hunter *(ET,LS) 3-216*
Florida Scanner *3-134*
Handi-Routine *3-135*
ITS YOUR WORDS *(ET) 4-176*
Language L.A.B. *(AR,ES,ET,LT) 3-234*
Lenical *(AS,ET) 3-236*
Master Talker *(SV) 3-137*
Multipurpose Authoring Language *(AM) 4-148*
Point to Pictures Development Kit *(AR,AS,ES,ET) 3-255*
PowerPad Programming Kit *(ET) 3-256*
SAYIT *3-140*
Scanning Conversion Program *3-141*
Software for Visually Impaired Children *(ET,KB,LS,SV) 3-267*
Task Master *(CR,ET) 3-281*
Type-Talk *(ET,KB) 3-286*

Book/Paper Handling {BP}

Products which facilitate the handling of books or printed materials. This code refers to the physical handling of such materials.

Automaddak Page Turner *(EC) 2-45*
Automatic Page Turner *(EC) 2-46*
Easy File Tray, Desk Organizer *(EC) 2-51*
Electric Copyholders *(EC) 2-52*
Gewa Page Turner *(EC) 2-55*
Motorized Easel *(EC) 2-58*
Mouth Held Page Turners *(PT) 1-11*
Mouthsticks *(PT) 1-11*
Page Turner *(EC) 2-60*
Saltus Reader *(EC) 2-62*
Touch Turner *(EC) 2-67*
Vacuum Wand *(PT) 4-11*

Braille {BR}

Devices or software that produce or incorporate braille code. This category is more inclusive than Braille/Tactile Devices (BD).

AudiBraille Computer *(SV,TO) 3-81*
Audio Braille Game Tutorial *(ET,GA,RE) 3-191*
BEX *(LP,PA,SV,WP) 3-309*
Bobcat *(ET) 3-195*
Brailink III *(BD,TI,TO) 3-83*
Braille 'n Speak *(PW,SV,TO) 4-108*
Braille Display Processor *(TO) 3-83*
Braille Font for MousePaint *(PA) 4-204*
Braille Interface Terminal (B.I.T) *(TI,TO) 4-108*
Braille Trainer *(ET,SV) 3-195*
Braille Translation Software *(PA) 3-310*
Braille-N-Print *(BD) 4-121*

Braille-Talk *(PA,SV) 3-311*
BraT *(BD,TE,TL,TO) 3-84*
CHPI Apple Tool Kit *(KM,PA,TL,WP) 3-312*
Cranmer Modified Perkins Brailler *(BD) 3-105*
Duxbury Braille Translator *(PA) 3-316*
Electronic Typing Fingers *(BD) 3-106*
Hot Dots *(PA) 3-320*
Illustrations *(DR,PA) 3-321*
INDEX *(BD) 3-106*
Marathon Brailler *(BD) 4-121*
MBOSS-1 *(BD) 3-107*
Micro Braille *(PA,WP) 3-327*
Microbrailler 2400 *(BD,PW,TO,WP) 3-107*
MPRINT *(BD) 3-108*
Ohtsuki Printer *(BD) 3-108*
PC-Braille *(TO) 3-93*
Personal Brailler *(BD,TE,TL) 3-109*
Pocket-Braille *(BD,PW,SV) 4-122*
Porta-Braille *(BD,PW) 4-122*
Quick Textfile Converter (QTC) *(PA,WP) 4-212*
Romeo Brailler *(BD) 3-109*
Super Cranmer Graphics Package *(ET,PA) 3-336*
TED-600 Text Embossing Device *(BD) 3-110*
Thiel Braille Printer BETA X-3 *(BD) 3-105*
TranscriBEX *(PA,WP) 4-215*
Transcription Station *(PA,WP) 4-215*
TRI-170 Braille Terminal Embosser *(BD,TE,TL) 3-110*
VersaBraille *(BD,PA,WP) 3-111*
VersaBraille II+ *(BD,PW,TO) 4-117*
VersaPoint Braille Embosser *(BD) 3-111*

Braille Printers and Tactile Display Components {BD}

Devices that have either braille or other tactile output. This category covers both braille printers (also known as embossers) and portable braille "notebooks" with refreshable braille displays. Some of these self-contained braille notebooks can provide braille access to standard commercial software on standard microcomputers. In this case the product would also be listed under "Alternate Outputs Usable with All Software" (TO), above.

Brailink III *(BR,TI,TO) 3-83*
Braille-N-Print *(BR) 4-121*
BraT *(BR,TE,TL,TO) 3-84*
Cranmer Modified Perkins Brailler *(BR) 3-105*
Electronic Typing Fingers *(BR) 3-106*
INDEX *(BR) 3-106*
Marathon Brailler *(BR) 4-121*
MBOSS-1 *(BR) 3-107*
Microbrailler 2400 *(BR,PW,TO,WP) 3-107*
MPRINT *(BR) 3-108*
Ohtsuki Printer *(BR) 3-108*
Optacon *(LP,TO) 3-91*
Personal Brailler *(BR,TE,TL) 3-109*
Pocket-Braille *(BR,PW,SV) 4-122*
Porta-Braille *(BR,PW) 4-122*
Romeo Brailler *(BR) 3-109*
TED-600 Text Embossing Device *(BR) 3-110*
Thiel Braille Printer BETA X-3 *(BR) 3-105*
TRI-170 Braille Terminal Embosser *(BR,TE,TL) 3-110*
VersaBraille *(BR,PA,WP) 3-111*
VersaBraille II+ *(BR,PW,TO) 4-117*
VersaPoint Braille Embosser *(BR) 3-111*

Calculation/Math Aids {CN}

Products designed to facilitate the user's ability to do calculations or perform mathematical operations. Programs for teaching math will have both this code and the code ET (Education, Training and Therapy).

Academics with Scanning: Math *(ET) 3-188*
Arithmetic 1, 2, and 3 with Speech *(AR,ET,LS,SV) 3-191*
Calc-Talk *(LP,PA,SV) 3-312*
Coinsnkeys *(ES,ET,KB) 3-202*
Computer Aids for the Non-Verbal (31 programs) *(CI,DR,ET,LP,PA,TR) 4-206*
Computer Courseware for the Exceptional Student *(ET,KB,LS) 3-204*
Counting Critters *(ES,ET) 3-209*
Early Learning II *(ES,ET) 3-212*
Edufun *(ET,LS) 3-213*
Elementary Volume 1 - Mathematics *(ET,LS,SV) 4-170*
Fact Master *(AR,AS,ET) 3-215*
Fay: That Math Woman *(ET) 3-216*
Fun With Math *(ET,SV) 3-222*
Getting Started in Arithmetic Series (and Sam's Store) *(ET,LP,LS,SV) 3-223*
Guessing and Thinking *(ET,LS) 3-224*
H:2 Handicapped Arithmetic Flash Cards *(ET,LS,RE) 3-224*
Kennedy Handi-Math Program *(ET,LS) 3-229*
Kindermath II *(ES,ET) 3-233*
Large Font Math Drill Series *(ET,LP,LS) 4-179*
Letter Find *(ES,ET,KB,SV) 3-236*
Lifestyle Personal Communicator *(CI,PC,TD,TL) 1-91*
Lightpen Programs for Special Education I & II *(ET,LS) 3-237*
Living Center III *(CI,EA,EC,RE,WP) 1-69*
Logo Learning with Numbers *(ET,LS) 4-181*
Mac-Apple Communication Aid *(CI,DR,ES,ET,PA,WP) 3-325*
Math Decathlon *(ET,LS,SV) 4-182*
Math Disk *(ET) 3-240*
Math Power Program *(ET,LS) 3-240*
Math Scan *(ET) 3-241*
Math Scratchpad I *(ET) 3-241*
Math Scratchpad II *(ET) 3-242*
Mathtalk *(AR,ET) 3-242*
Money Skills *(AD,ET,LS) 4-184*
Mouse Math *(ET) 3-248*
PACA (Portable Anticipatory Communication Aid) *(CI,EA,PW,WP) 1-71*
ScanPAC/Epson *(CI,EA,EC,PW,TI,TW) 1-74*
Small Talk *(CI,PW,SV,TO,WP) 1-75*
Smart Shaper *(CR,ES,ET) 3-266*
Special Needs Volume 2 - Simulations & Drills *(ET,LS) 3-270*
Special Skill Builders I & II *(ES,ET) 3-270*
Stat Talk *(PA,SV) 4-214*
Trace Math Aid *(ET) 3-285*
Travel Talk *(PW,SV,TO,WP) 4-115*
Ultimate Banker *(PA,SV) 3-346*
UNI-PTC TDD *(CI,PA,PC,TD,TL,TO) 4-216*
Verbal Convertible *(CI,EA,PW,SV,TO) 4-115*
Viewscan Text System *(LP,PA,PW,TE,TO,WP) 3-100*
Voice Math *(ET) 3-291*
World of Counting *(AR,ET) 3-294*

Call, Monitoring, and Memory Systems {CM}

Products which feature the capability to summon assistance, to monitor a person's activities for safety reasons, or to supplement or aid memory.

Accularm *(TR) 2-75*
Asaflex Model TS *(ET) 2-7*
Automatic Message Dialer *(EC,PC) 2-45*
Beep-Alarm *4-69*
Beeper *(AS,TR) 2-75*
Call Bell *(AS,TR) 2-76*
Call Signal 2 *(AS,TR) 2-76*
Door Monitor *2-77*
E-Z Call *2-77*
Electronic Calendars and Pocket Secretaries *2-78*
Emergi-Call *4-69*
EZRA *(CI,EC,PC) 2-54*
Intercom Unicontrol *(EC) 2-78*
Knight Companion *4-70*
Lifeline Emergency Response System *4-70*
Lighted Extra Loud Signalling Buzzer *(AS,TR) 2-79*

Lighted Signalling Buzzer *(AS,TR) 2-79*
Linear Alert ET-1A *2-80*
Medical Alert *2-80*
MicroDEC II *(EC,PC) 2-57*
PA-1 Portable Alarm *2-81*
Phone Care Automatic Dialer for the Disabled *4-71*
Puff'N Buzzer Switch *(AS,TR) 2-81*
RC5000 Radio Home Control System *(EC) 4-63*
Signal Buzzer *(AS,TR) 2-82*
Silent Call *4-71*
Silent Page System *2-82*
Smarthome I *(EC,PC) 2-63*
Sound Monitor *2-83*
TOSC-2 Environmental Control System *(EC,PC) 2-67*
VI-TEL-DIAL *4-72*
Voice of Help *2-83*
Watchman *2-84*
Wireless Alerting Systems *2-84*
Zygo Model 4 *(AS,TR) 2-85*

Cognitive Rehabilitation {CR}

Programs designed specifically to be useful in cognitive rehabilitation. This designation is based upon the manufacterer's stated intent in product design.

Aphasia Series: I through VIII *(ET,LS) 3-190*
Auditory Skills Package *(ET) 4-165*
Breakthrough to Language *(ET,LT) 4-166*
Brunswick Hospital Cognitive Assessment & Retraining *(AS,ET) 4-166*
Captain's Log: Cognitive Training System *(AS,ES,ET,LS) 3-196*
Categorical Reasoning I and II *(ET) 3-197*
Cognitive Rehabilitation Series *(ET,LS) 3-199*
Cogrehab Vol. 1 *(ET,LS) 3-200*
Cogrehab Vol. 2 *(ET,LS) 3-200*
Cogrehab Vol. 3 *(ET,LS) 3-201*
Cogrehab Vol. 4 *(ET,LS) 3-201*
Computer Progs. for Neuropsychological Testing & Rehab. *(AR,ET,LS) 3-206*
Computerized Reading for Aphasics *(AR,AS,ET,LS) 3-207*
Conceptual Skills *(ET) 4-168*
CREATE *(AR,AS,ES,ET,LS) 3-209*
Find It *(ET) 3-259*
First Mate *(ET) 4-172*
Foundations I *(AR,ES,ET) 3-221*
Foundations II *(AR,ES,ET) 3-222*
Function Recognition *(AR,ES,ET) 3-223*
HELP Linguidisks *(AR,ET,LS,LT) 3-225*
Holidays *(AR,ET,LS,LT) 3-226*
KLS Cognitive Educational System *(ET) 3-229*
Lost R – Reasoning *(ET,LS) 3-282*
Memory I *(ES,ET,LS) 3-243*
Memory II *(ES,ET,LS) 3-244*
Parables Plus *(ET) 3-259*
Picapad *(AM,AR) 3-160*
Pictures Programs: I, II and III *(ES,ET,LS) 3-253*
PII - Personalized Information for Independence *(AD,AR,ET,LS) 3-254*
Preposition Recognition *(AR,ES,ET,LT) 3-257*
Program for Aphasics *(ET) 4-187*
Purposeful Patterns *(ET) 3-259*
Purposeful Symbols *(ET) 3-259*
Search! *(ET) 3-259*
Smart Shaper *(CN,ES,ET) 3-266*
Soft Tools '83, '84, '85 *(ES,ET,LS,LT) 3-267*
Spatial Perception *(ET) 4-189*
Surrounding Patterns (and other programs) *(ES,ET,LS) 3-274*
Task Master *(AP,ET) 3-281*
Understanding Questions, Sentences I & II, Stories *(ET,LS) 3-287*
Verbal Reasoning *(ET) 3-259*
VISPA *(ET) 4-194*
Visual/Perceptual Diagnostic Testing & Training Progs. *(AR,AS,ES,ET) 3-184*
Visual/Reading Drills *(ET,LS) 3-290*
Visuospatial Skills *(AR,ET) 3-290*
WALC LinguiDisks *(ET,LS,LT) 3-292*
What Belongs? *(ET) 3-259*
Word Memory Programs *(ET,LS) 3-293*

Conversation/Interaction {CI}

Hardware, software and aids designed to be used for communication on a daily basis. Software-based products will also be coded ET (Education, Training and Therapy) or PA (Personal Tool or Aid). Aids designed mainly for communication training or therapy are coded TR - Training and Communication Initiation (see below).

AARON *(PA,WP) 3-307*
ACS Medicom Computer System *(EC,PC,TI,TL) 3-23*
AllTalk *(EA,ET,TR) 1-63*
Amcom C *(PC,TD,TL) 1-89*
Audible Cursor Routine *(PA,TR) 4-204*
Audio Scan *(PA) 3-308*
B-H Communicator *(NA) 4-29*
Blissymbol Vocabulary Stamps *(ET,NA) 1-41*
Blissymbolics: Blissboard *(ET,PA) 3-310*
Brighter Pathways Communication Symbols and Grids *(ET,NA) 1-41*
Canon Communicator M *(EA,PW,TI,TW) 1-63*
Cleo Communication Board *(NA) 1-42*
Clock Communicator *(AS,ET,TR) 1-18*
COM 2000 *(PC,TD,TL) 1-89*
Com Board *(AS,ET,TR) 1-19*
Comm-Prog *(PA) 3-313*
Communication Binder *(NA) 1-43*
Communication Folder *(NA) 1-43*
Communication Programs *(EC,PA,TR) 4-205*
Communication Sheets *(ET,NA) 1-44*
Communiclock *(AS,ET,TR) 1-19*
Compartmentalized Communicator *(AS,ET,TR) 1-20*
Computer Aids for the Blind (21 programs) *(ET,LP,PA,SV,TR,WP) 4-205*
Computer Aids for the Non-Verbal (31 programs) *(CN,DR,ET,LP,PA,TR) 4-206*
Computerized Enabling System *(EC,PA,PC,WP) 3-315*
Control Without Keyboards *(AS,ET,PA) 3-315*
Core Picture Vocabulary *(ET,NA) 1-44*
Core Vocabulary *(NA) 4-30*
Dial Scan *(AS,ET,TR) 1-21*
Dvorak One-Hand Typewriter *(EA,PW) 1-64*
E Z Talker *(EA,KM,PA) 4-207*
E-Tran Scanner *(AS,ET,TR) 1-23*
Echo 2000 *(PC,TD,TL) 1-90*
EDACTS Keyboard *(EC,TI,WP) 3-27*
Electronic Talk Board *(ET,ID,PA,TR) 4-207*
Elementary MOD Keyboard System *(ET,LP,TI) 3-28*
Equalizer *(DR,EA,PW,RE,TI,TW) 1-64*
ESAM Learning System *(ET,TR) 4-171*
Express 3 *(EA,EC,PW,TI,TW) 1-65*
Eye Transfer Communication System *(ET,NA) 1-45*
Eye-Com *(ET,NA) 1-45*
Eye-Com Board *(ET,NA) 1-46*
EyeTyper *(EA,EC,TI) 1-66*
EyeTyper 300 *(EA,EC,PW,TI) 4-37*
EyeTyper Model 200 *(EA,EC,PW,TI) 1-66*
EZBAS *3-132*
EZRA *(CM,EC,PC) 2-54*
Fast Access Scan Talker *(PA) 3-318*
Fast Food Passport *(NA) 4-30*
Flexcom *(EA,EC) 1-67*
Fold-It System *(NA) 1-46*
Handi-Writer Version 3.51 *(PA) 3-320*
Help Me to Help Myself *(ET,NA) 1-47*
I Can Talk *(ES,ET,LT,TR) 3-226*
ICOMM *(EA,PW,TI,TW) 1-68*
Individualized Communication Systems *(ET,NA) 1-48*

Intele-Type *(PC,TD,TL) 1-90*
IntroTalker *(EA,ET,TR) 4-37*
Kennedy Switch Key Software *(ET,TI) 3-136*
Life Experiences Communication Kit *(ET,NA) 1-48*
Lifestyle Personal Communicator *(CN,PC,TD,TL) 1-91*
Light Talker *(EA,EC,PW,TI,TW) 1-68*
Lightwriter *(EA,KG,PW) 1-69*
Living Center III *(CN,EA,EC,RE,WP) 1-69*
Mac-Apple Communication Aid *(CN,DR,ES,ET,PA,WP) 3-325*
Magic Cymbals *(PA) 3-326*
Message Maker *(PA) 3-327*
Mini Talking Card Reader *(EA,ET) 1-70*
Minicom II *(PW,TD,TL) 1-92*
Minspeak 1 *(EA,EC,PW,TI,TW) 1-70*
MOD Keyboard System *(TI,TW) 3-40*
Multi-Scan *(AS,ET,PA,TR) 3-329*
Nu-Vue-Cue *(ET,NA) 1-49*
Oakland Schools Picture Dictionary *(ET,NA) 1-49*
Object-Picture Talk Board *(NA,TR) 4-31*
Opticommunicator *(ET,NA) 1-50*
PACA (Portable Anticipatory Communication Aid) *(CN,EA,PW,WP) 1-71*
PC/TDDA Software *(PA,PC,TD) 4-211*
Phone-TTY CM-4 Computer Modem *(PC,TD,TL) 4-45*
PhotoPAC/EvalPAC *(AS,EA,EC,ET,PW,TI) 1-71*
PIC Word Board *(ET,NA) 1-50*
PICSYMS Categorical Dictionary *(ET,NA) 1-51*
Pictogram Ideogram Communication (PIC) *(ET,NA) 1-51*
Picture Communication *(ET,PA) 3-331*
Picture Communication Symbols, Book I and Book II *(ET,NA) 1-52*
Picture Your Blissymbols *(ET,NA) 1-52*
Pictures, Please! *(ET,NA) 1-53*
Poc-Ett System *(AS,ET,TR) 1-25*
Pocket-Sized Communication Book *(NA) 1-53*
Porta Book *(NA) 1-54*
Porta Printer Plus MP20 *(TD,TL) 1-92*
Porta Printer Plus MP20D *(PC,TD,TL) 1-93*
Porta Printer Plus MP40D *(PC,TD,TL) 1-93*
Porta View Junior/Model 32 *(TD,TL) 1-94*
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Portable DECtalk *(SS) 4-126*
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Portable Voice II *(EA,PW) 1-72*
Practice Communication Cards *(AS,ET,NA) 1-55*
Print-A-Call *(PC,TD,TL) 1-94*
Prism Communication Tray *(ET,NA) 1-55*
Q.E.D. Scribe *(EA,KG,PW) 4-38*
Quick Talk *(PA,PC) 3-332*
Rescue Speech System *(EA,EC,PW) 4-38*
RIC Easy Talker *(PA) 3-333*
Say It *(PA) 3-334*
Say-It-All and Say-It-All Super Plus *(EA,PW) 1-73*
Say-It-All II and II Plus *(EA,KG,PW) 4-39*
Say-It-Simply Plus *(EA,ET,TR) 4-39*
Scan & Speak *(ET,TR) 3-264*
ScanPAC/Epson *(CN,EA,EC,PW,TI,TW) 1-74*
SCANWOLF *(EA,TR) 1-74*
See-Thru Communication Kit *(NA) 4-32*
Self-Talk *(NA) 4-33*
Sentence-Scan *(ET,PA) 3-334*
Sequential Scanner *(AS,ET,TR) 1-26*
SimpleCom I: Yes/No Communication *(ET,TR) 3-265*
SimpleCom II: Needs/Wants Communication *(ET,TR) 3-266*
SM85 Smart ASCII/Baudot Modem *(PC,TD,TL) 4-45*
Small Clock Communicator *(AS,ET,TR) 1-26*
Small Talk *(CN,PW,SV,TO,WP) 1-75*
Smoothtalker for Light Talker and Touch Talker *(EA,SS) 4-40*
Software Simulations of Communication Prostheses *(AS,ET) 3-182*
SonomaVoice *(ET,TR) 1-27*
Speak Up *(PA) 3-335*
Special Friend Speech Prosthesis *(EA) 1-75*
SpeechAid *(EA,PW,TI,TW) 1-76*
SpeechPAC/Epson *(EA,EC,PW,TI,TW) 1-76*
SpeechPad *(EA) 1-77*
Speller Teller *(AS,ET,TR) 1-27*
SSI-100 Communicator *(TD,TL) 1-95*
SSI-220 Communicator *(TD,TL) 1-95*
SSI-240 Communicator *(TD,TL) 1-96*
Steeper Communication/Teaching Aid *(AS,TR) 4-23*
Superprint 100, 200, 400 *(PC,TD,TL) 1-96*
Switchboard *(EA,ET) 1-77*
Talk Board *(NA) 1-56*
Talk II *(PA) 3-337*
Talk Tone *(TD,TL) 1-97*
Talker Communication Program *(PA) 4-214*
Talker II *(EA,KG,PW) 4-40*
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Talking 100 Communicator *(EA) 1-78*
Talking Aid *(PA) 3-338*
Talking BlissApple *(ET,PA) 3-339*
Talking Mitt *(NA,TR) 4-33*
Talking Paddles *(ET,NA) 1-56*
Talking Pictures Communication Board *(ET,NA) 1-57*
Talking Pictures Series *(ET,TR) 4-191*
Talking Pictures, Kits I, II, and III *(ET,NA) 1-57*
Talking Wheelchair *(GA,PA,RE,WP) 3-340*
Talking With Your Touch Window *(AS,ET,TR) 4-192*
Talking Word Board *(PA) 3-341*
Target *(AS,ET,TR) 3-280*
TeleBraille *(PC,TD,TL) 1-97*
Telewriter *(TD,TL,WP) 1-98*
TIGER Jr. *(EA,NA,TR) 4-24*
TIM *(EA,PW,WP) 1-79*
Timothy Communications Package *(EA,PW) 1-79*
Touch & Speak *(ET,PA,TR) 3-344*
Touch 'N Talk Communication Board *(ET,NA) 1-58*
Touch 'N Talk Communication Notebook *(NA) 1-58*
Touch 'N Talk Communication Stickers *(ET,NA) 1-59*
Touch 'N Talk Micros *(ET,NA) 1-59*
Touch Com *(AS,ET,TR) 3-183*
Touch Talker *(EA,EC,PW,TI,TW) 1-80*
Trine System (ACS) *(EA,PW,TI,TW,WP) 1-80*
Trine System (Words+) *(EA,PW,TI,TW,WP) 1-81*
Turbo Select *(EC,KM,MT,TI) 4-93*
Type & Speak *(PA,SV) 3-345*
UNI-PTC TDD *(CN,PA,PC,TD,TL,TO) 4-216*
Unipix *(ET,NA) 1-60*
Variable Position Scanner *(AS,ET,TR) 1-34*
Verbal Convertible *(CN,EA,PW,SV,TO) 4-115*
Versascan *(AS,ET,TR) 1-35*
VIC-20 Scanner *(PA,WP) 3-347*
Vocaid *(EA) 1-82*
VOIS 130 *(EA) 1-82*
VOIS 135 *(EA) 1-83*
VOIS 136 *(EA,TW) 4-41*
VOIS 140 *(EA) 1-83*
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Word Board *(NA) 1-60*
Word Communication *(PA) 3-348*
Write *(ET,LS,SV) 3-295*
Zygo Model 100 *(EA,ET,PW,TI,TW) 1-85*
Zygo Model 16C *(AS,ET,TR) 1-36*
Zygo Notebook *(EA,PW,WP) 1-85*
Zygo scanWRITER *(EA,EC,PW,TI,TW) 1-86*

Database Management/Spreadsheets {DS}

Specially adapted hardware or software that provides the user with electronic database or spreadsheet capabilities. An example would be a voice-output spreadsheet program designed for blind computer users. Products which provide special access to many different software programs would not be included here (see "Alternate Inputs Usable with All Software," TI).

Access-Ability Database *(AM,VO) 4-139*
CommuniTree - First and Second Editions *(PA,TL) 3-314*
File-Talk *(PA,SV) 3-318*

Isabel *(AM,AS,VO) 4-146*
Lister Talker *(PA,SV) 3-324*
Rapsheet *(PA,SV) 3-333*
Speak-A-Label *(PA,SV) 3-335*
Tally-Talk *(PA) 3-342*
Touch Window *(DR,ID,RE,WP) 3-65*
Ultimate File Cabinet *(PA) 3-346*

Drawing {DR}

Special hardware or software designed to facilitate a disabled person's ability to draw.

Blazing Paddles *(ET,RE) 3-299*
Commodore Light Pen *(AP,ID) 3-61*
Communication Board Construction *(AM) 4-142*
Computer Aids for the Non-Verbal (31 programs)
(CI,CN,ET,LP,PA,TR) 4-206
Creativity Tool Box *(AP,ET,RE) 3-299*
Dot & Draw *(ET,GA,RE) 3-300*
Electric Crayon *(ET,RE) 4-199*
Equalizer *(CI,EA,PW,RE,TI,TW) 1-64*
Gibson Light Pen System *(GA,ID,PA,RE) 3-62*
Graphics Magician Jr. *(PA,RE) 3-319*
Graphics Magician Painter *(PA,RE) 3-319*
Hand/Eye Coordination Programs *(ES,ET,RE) 3-225*
Illustrations *(BR,PA) 3-321*
KoalaPad *(ID) 3-62*
Lenipen PC *3-136*
Leo's 'Lectric Paintbrush *(ET,PA,RE) 3-324*
Lite Touch *(GA,RE,TI) 3-38*
Mac-Apple Communication Aid *(CI,CN,ES,ET,PA,WP) 3-325*
MicroIllustrator *(ET,PA,RE) 3-328*
My Book *(ES,ET) 4-185*
Phonics, Text, and Graphics *(ET,RE,WP) 3-252*
PIC Man *(ET,RE) 3-302*
Picture Perfect *(PA,RE) 3-302*
PowerPad *(ID,RE) 3-64*
Remote Keyboard for the Apple II+ and IIe *(TI) 3-46*
Super Shape Draw & Animate *(PA,RE) 3-337*
Touch Window *(DS,ID,RE,WP) 3-65*

Early Skills (Pre-Reading) {ES}

Software designed to teach skills that are pre-reading. "Later Skills" (LS) designates post-reading skills.

A Is For Apple *(ET) 4-164*
Adventures of Jimmy Jumper - Prepositions *(AS,ET,LT) 3-282*
Alphabet with Tom and Andy *(AR,ET) 3-189*
Basic Language Series-Spatial Concepts *(ET,LT) 3-192*
Bear Jam *(ET) 3-193*
Blissymbolics: Bliss Drills *(ET) 3-194*
Blissymbolics: Blissymbol Concepts *(ET) 3-194*
Captain's Log: Cognitive Training System *(AS,CR,ET,LS) 3-196*
Chatterbox Dictionary *(ET,LT) 3-198*
Choice Maker I *(AR,ET) 3-198*
Coinsnkeys *(CN,ET,KB) 3-202*
Color Find *(ET) 3-202*
Computer CUP *(ET,LT) 3-205*
Concept Formation: Shape Matching *(ET) 3-208*
Counting Critters *(CN,ET) 3-209*
CREATE *(AR,AS,CR,ET,LS) 3-209*
Dinosaur Game *(ET,GA,TR) 4-170*
Early Learning I *(ET) 3-211*
Early Learning II *(CN,ET) 3-212*
Edmark Reading Program, Level 1 *(ET,LS) 3-212*
Elephant Ears *(ET,LT) 3-213*
Exploratory Play *(ET,LT) 3-214*
First Categories *(ET,LS,LT) 3-218*
First Shapes *(ET) 3-218*
First Verbs *(ET,LT) 3-219*
First Words *(ET,LT) 3-219*
First Words II *(ET,LT) 3-220*
Floppy Teaches_Series *(ET) 3-220*
Following Directions *(AR,ET) 3-221*
Following Directions: Left and Right *(ET) 3-235*
Foundations I *(AR,CR,ET) 3-221*
Foundations II *(AR,CR,ET) 3-222*
Function Recognition *(AR,CR,ET) 3-223*
Geometric Figures and Spatial Concepts *(ET) 4-173*
Hand/Eye Coordination Programs *(DR,ET,RE) 3-225*
I Can Talk *(CI,ET,LT,TR) 3-226*
IDEA Cat *(ET,LS,LT) 3-227*
Kid Talk *(ET,PA,SV,WP) 3-322*
Kindermath II *(CN,ET) 3-233*
Language L.A.B. *(AP,AR,ET,LT) 3-234*
Learning the Alphabet *(ET) 4-180*
Learning Workshop *(AS,ET) 3-235*
Letter Find *(CN,ET,KB,SV) 3-236*
Logo TouchTools for the PowerPad *(AS,ET) 3-239*
Mac-Apple Communication Aid *(CI,CN,DR,ET,PA,WP) 3-325*
Memory I *(CR,ET,LS) 3-243*
Memory II *(CR,ET,LS) 3-244*
Memory Patterns *(AR,AS,ET,LT) 3-244*
Mix 'N Match *(AR,ET) 3-247*
My Book *(DR,ET) 4-185*
Ollie Series *(ET) 3-249*
Paint With Words *(ET) 3-250*
Pictures Programs: I, II and III *(CR,ET,LS) 3-253*
Point to Pictures Development Kit *(AP,AR,AS,ET) 3-255*
Point to Pictures Discrimination Kit *(AR,AS,ET,TR) 3-255*
Point to Pictures Lesson Plan Masters *(ET) 3-256*
Preposition Recognition *(AR,CR,ET,LT) 3-257*
Programs for Early Learning and the Retarded *(ET) 4-188*
Rabbit Scanner *(AS,ET) 3-260*
Representational Play *(ET,LT) 3-263*
Rockets to the Moon *(ET,GA,TR) 4-188*
SAID: Say as I Do *(ET) 3-263*
Sarah and Her Friends *(ET) 3-264*
Smart Shaper *(CN,CR,ET) 3-266*
Soft Tools '83, '84, '85 *(CR,ET,LS,LT) 3-267*
Sound Match *(AS,ET) 3-268*
Special Education (Elementary): Paks for Special Needs
(ET,LS) 3-269
Special Skill Builders I & II *(CN,ET) 3-270*
STIM-U-LITE *(AS,ET,TR) 1-28*
Surrounding Patterns (and other programs) *(CR,ET,LS) 3-274*
Switchmaster *(AR,AS,ET) 3-275*
Symbol Writer *(AS,ET,GA) 3-276*
TAG: Talking Animated Graphics *(ET) 3-276*
Talk About A Walk *(ET,LT) 3-277*
Telling Time, Parts of the Face, Learning Colors *(ET) 4-193*
This is the Way We Wash Our Face *(ET,TR) 4-193*
Touch and Match *(ET) 3-283*
Touch and See *(ET) 3-283*
Toy Assessor *(AR,AS,ET) 3-284*
Visual Recognition *(AR,AS,ET,LT) 3-289*
Visual/Perceptual Diagnostic Testing & Training Progs.
(AR,AS,CR,ET) 3-184
Wheels On The Bus *(ET,TR) 4-195*
Word Recognition *(AR,AS,ET,LT) 3-294*
Worm Squirm *(ET,TR) 4-196*

Education, Training, and Therapy {ET}

Application software and software/hardware packages whose primary function is to educate, train, or facilitate therapy. Some related function codes are "Assessment" (AS), "Early Skills" (ES), "Later Skills" (LS), Calculation/Math Aid (CN), Keyboarding Training (KB), Language Therapy and Development (LT), Speech Therapy (ST), Sign Language/Fingerspelling (SI) and Cognitive Rehabilitation (CR).

A Is For Apple *(ES) 4-164*
Ability Switch Tester *(AS,TR) 1-15*
AbleNet Control Unit *(AS,EC,TR) 1-15*
Academics with Scanning: Language Arts *(LS) 3-188*

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ACES *(AS) 3-171*
Active Stimulation Programmer *(AS,EC,TR) 1-16*
Active Therapy System (ACTS) *(AS,EC,TR) 4-164*
Adventures of Jimmy Jumper - Prepositions *(AS,ES,LT) 3-282*
AllTalk *(CI,EA,TR) 1-63*
Alphabet with Tom and Andy *(AR,ES) 3-189*
Anatomy and Physiology of the Speech and Hearing Mech. *(ST) 3-189*
Aphasia Series: I through VIII *(CR,LS) 3-190*
Apple Demo Disk *(AS) 3-190*
Appliance Genie *(AS,EC,PA) 3-307*
Arcademic Skill Builders In Math: Set-Ups for the AFC *4-133*
Arithmetic 1, 2, and 3 with Speech *(AR,CN,LS,SV) 3-191*
Asaflex Model TS *(CM) 2-7*
Audio Braille Game Tutorial *(BR,GA,RE) 3-191*
Auditory Skills Package *(CR) 4-165*
Basic Language Series-Spatial Concepts *(ES,LT) 3-192*
Basic Vocabulary Builder on Computer *(LS,LT) 3-192*
Battery Adapter *(AS,TR) 1-17*
Battery Device Adapter *(AS,TR) 1-17*
Battery Interface *(AS,TR) 1-18*
Bear Jam *(ES) 3-193*
Blazing Paddles *(DR,RE) 3-299*
Bliss Skills *(TR) 4-165*
Blisspen *(LS) 3-193*
Blissymbol Vocabulary Stamps *(CI,NA) 1-41*
Blissymbolics: Bliss Drills *(ES) 3-194*
Blissymbolics: Blissboard *(CI,PA) 3-310*
Blissymbolics: Blissymbol Concepts *(ES) 3-194*
Bobcat *(BR) 3-195*
Braille Trainer *(BR,SV) 3-195*
Brainz *(AP) 3-196*
Breakthrough to Language *(CR,LT) 4-166*
Brighter Pathways Communication Symbols and Grids *(CI,NA) 1-41*
Brunswick Hospital Cognitive Assessment & Retraining *(AS,CR) 4-166*
Captain's Log: Cognitive Training System *(AS,CR,ES,LS) 3-196*
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Choice Maker I *(AR,ES) 3-198*
Clock Communicator *(AS,CI,TR) 1-18*
Cloze-Plus Program *(LS) 3-199*
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Cogrehab Vol. 1 *(CR,LS) 3-200*
Cogrehab Vol. 2 *(CR,LS) 3-200*
Cogrehab Vol. 3 *(CR,LS) 3-201*
Cogrehab Vol. 4 *(CR,LS) 3-201*
Coinsnkeys *(CN,ES,KB) 3-202*
Color Find *(ES) 3-202*
Com Board *(AS,CI,TR) 1-19*
Communication Sheets *(CI,NA) 1-44*
Communiclock *(AS,CI,TR) 1-19*
Compartmentalized Communicator *(AS,CI,TR) 1-20*
Complete Spelling Program *(LS) 3-203*
Comprehension Power Program *(AR,LS) 3-203*
Computer Aided Stuttering Treatment (CAST) *(ST) 4-167*
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Computer Aids for the Non-Verbal (31 programs) *(CI,CN,DR,LP,PA,TR) 4-206*
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Computer Courseware for the Exceptional Student *(CN,KB,LS) 3-204*
Computer CUP *(ES,LT) 3-205*
Computer Keyboard Switch *2-11*
Computer Managed Articulation Treatment *(AR,ST) 3-205*
Computer Managed Language Treatment *(AR,LT) 3-206*
Computer Plate Switch *2-11*
Computer Progs. for Neuropsychological Testing & Rehab. *(AR,CR,LS) 3-206*
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Core Reading and Vocabulary Development *(LS) 3-208*
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Creativity Tool Box *(AP,DR,RE) 3-299*
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CTS: Electronic Assembly & Soldering *(VO) 3-210*
Deafsign *(AS,SI) 3-210*
Delay Timer *(AS,EC,TR) 1-21*
Dial Scan *(AS,CI,TR) 1-21*
Dinosaur Game *(ES,GA,TR) 4-170*
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Elementary MOD Keyboard System *(CI,LP,TI) 3-28*
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Elephant Ears *(ES,LT) 3-213*
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Exploratory Play *(ES,LT) 3-214*
Eye Transfer Communication System *(CI,NA) 1-45*
Eye-Com *(CI,NA) 1-45*
Eye-Com Board *(CI,NA) 1-46*
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Fact Master *(AR,AS,CN) 3-215*
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Fay: That Math Woman *(CN) 3-216*
Fay: The Word Hunter *(AP,LS) 3-216*
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FingerSpeller *(SI) 3-217*
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Fliptrack Learning Tape Tutorials *3-134*
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Following Directions *(AR,ES) 3-221*
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Write *(CI,LS,SV) 3-295*
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Zygo Model 100 *(CI,EA,PW,TI,TW) 1-85*
Zygo Model 16C *(AS,CI,TR) 1-36*
Zygo Model 20 *(AS,TR) 1-37*
Zygo Model 21S *(AS,TR) 1-37*

Electronic Communication and Writing Aids {EA}

Dedicated electronic conversation and writing aids. Most offer printed output, synthesized voice output, or both. Aids must allow at least 32 distinct selections (enough for the alphabet and a few controls) in order to be included. Software programs that are sold separately from their computers (e.g., not packaged as a whole with the computer) are not listed under this code, but would be listed under Presonal Tool or Aid Software (PA) and Conversation/Interaction (CI).

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Canon Communicator M *(CI,PW,TI,TW) 1-63*
Dvorak One-Hand Typewriter *(CI,PW) 1-64*
E Z Talker *(CI,KM,PA) 4-207*
Equalizer *(CI,DR,PW,RE,TI,TW) 1-64*
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Express 3 *(CI,EC,PW,TI,TW) 1-65*
EyeTyper *(CI,EC,TI) 1-66*
EyeTyper 300 *(CI,EC,PW,TI) 4-37*
EyeTyper Model 200 *(CI,EC,PW,TI) 1-66*
Flexcom *(CI,EC) 1-67*
Handy Terminal *(PW,TI,TW) 1-67*
ICOMM *(CI,PW,TI,TW) 1-68*
IntroTalker *(CI,ET,TR) 4-37*
Light Talker *(CI,EC,PW,TI,TW) 1-68*
Lightwriter *(CI,KG,PW) 1-69*
Living Center III *(CI,CN,EC,RE,WP) 1-69*
Mini Talking Card Reader *(CI,ET) 1-70*
Minspeak 1 *(CI,EC,PW,TI,TW) 1-70*
PACA (Portable Anticipatory Communication Aid) *(CI,CN,PW,WP) 1-71*
PhotoPAC/EvalPAC *(AS,CI,EC,ET,PW,TI) 1-71*
Portable Pocket Typewriter/Computer *(CI,PW) 1-72*
Portable Voice II *(CI,PW) 1-72*
Q.E.D. Scribe *(CI,KG,PW) 4-38*
Quad-Independence Typewriter-Printer System *(KM,WP) 1-73*
Rescue Speech System *(CI,EC,PW) 4-38*
Say-It-All and Say-It-All Super Plus *(CI,PW) 1-73*
Say-It-All II and II Plus *(CI,KG,PW) 4-39*
Say-It-Simply Plus *(CI,ET,TR) 4-39*
ScanPAC/Epson *(CI,CN,EC,PW,TI,TW) 1-74*
SCANWOLF *(CI,TR) 1-74*
Smoothtalker for Light Talker and Touch Talker *(CI,SS) 4-40*
Special Friend Speech Prosthesis *(CI) 1-75*
SpeechAid *(CI,PW,TI,TW) 1-76*
SpeechPAC/Epson *(CI,EC,PW,TI,TW) 1-76*
SpeechPad *(CI) 1-77*
Switchboard *(CI,ET) 1-77*
Talker II *(CI,KG,PW) 4-40*
Talking 100 *(CI,PC,PW,WP) 1-78*
Talking 100 Communicator *(CI) 1-78*
TIGER Jr. *(CI,NA,TR) 4-24*
TIM *(CI,PW,WP) 1-79*
Timothy Communications Package *(CI,PW) 1-79*
Touch Talker *(CI,EC,PW,TI,TW) 1-80*
Trine System (ACS) *(CI,PW,TI,TW,WP) 1-80*
Trine System (Words+) *(CI,PW,TI,TW,WP) 1-81*
Typewriters for the Visually Impaired *(PW) 1-81*
Verbal Convertible *(CI,CN,PW,SV,TO) 4-115*
Vocaid *(CI) 1-82*
VOIS 130 *(CI) 1-82*
VOIS 135 *(CI) 1-83*
VOIS 136 *(CI,TW) 4-41*
VOIS 140 *(CI) 1-83*
VOIS 150 *(CI) 1-84*
WOLF *(CI,TR) 1-84*
Zygo Model 100 *(CI,ET,PW,TI,TW) 1-85*
Zygo Notebook *(CI,PW,WP) 1-85*
Zygo scanWRITER *(CI,EC,PW,TI,TW) 1-86*

Environmental Controls {EC}

Devices or systems whose functions is to control some other device in the person's environment: lamp, TV, telephone, etc. Exceptions are (1) devices used to control computers and (2) devices used to control battery-operated devices (such as toys) for the purpose of encouraging switch operation or teaching communication skills. The former are listed under Alternate Inputs Usable with All Software (TI); the latter are listed under Training and Communication Initiation (TR).

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AbleNet Control Unit *(AS,ET,TR) 1-15*
ACS Medicom Computer System *(CI,PC,TI,TL) 3-23*
Active Stimulation Programmer *(AS,ET,TR) 1-16*
Active Therapy System (ACTS) *(AS,ET,TR) 4-164*
Activity Board *(AS,TR) 1-16*
Appliance Genie *(AS,ET,PA) 3-307*
Automaddak Page Turner *(BP) 2-45*
Automatic Message Dialer *(CM,PC) 2-45*
Automatic Page Turner *(BP) 2-46*
Butler-in-a-Box *(PC,TI) 2-46*
Command Telephone System *(PC) 2-47*
Communication Programs *(CI,PA,TR) 4-205*
Computerized Enabling System *(CI,PA,PC,WP) 3-315*
Control 1 *(PC) 2-47*
ControlPAC *(AS,ET) 2-48*
Delay Timer *(AS,ET,TR) 1-21*
Deuce *(PC,TW) 2-48*
Directel *(PC) 2-49*
Door Lock Release Unicontrol *4-61*
Dual Channel Latching Switch Interface *(AS,ET,TR) 1-22*
Dual Switch Latch and Timer *(AS,ET,TR) 1-22*
Dual Tape Control *2-49*
Dynamate 1200 *(PC) 2-50*
Dynamate 2000 *(PC) 2-50*
Easicorder *2-51*
Easy File Tray, Desk Organizer *(BP) 2-51*
EDACTS Keyboard *(CI,TI,WP) 3-27*
Electric Copyholders *(BP) 2-52*
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Environmental Control *(TR) 2-52*
Environmental Control Program *(PA,TR) 4-208*
Environmental Control System *2-53*
Expanded Keyboard for Automatic Telephone *(PC) 2-53*
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EyeTyper *(CI,EA,TI) 1-66*
EyeTyper 300 *(CI,EA,PW,TI) 4-37*
EyeTyper Model 200 *(CI,EA,PW,TI) 1-66*
EZRA *(CI,CM,PC) 2-54*
Flexcom *(CI,EA) 1-67*
Fone Holder *(PC) 2-54*
Gewa Page Turner *(BP) 2-55*
Giant Push Button Telephone Adapter *(PC) 2-55*
HAL (Home Automation Link) *(PC,TI) 4-84*
Head Control for Wheelchairs *2-17*
Infrared Remote Control *2-56*
Intercom Unicontrol *(CM) 2-78*
Jumbo Phone with 9 Memories *(PC) 2-56*
Kincontrol *4-62*
Light Talker *(CI,EA,PW,TI,TW) 1-68*
Living Center III *(CI,CN,EA,RE,WP) 1-69*
MECCA *(PC) 2-57*
MicroDEC II *(CM,PC) 2-57*
Minspeak 1 *(CI,EA,PW,TI,TW) 1-70*
Motorized Easel *(BP) 2-58*
Multi-Input Selector *(AS,ET,TR) 1-24*
No-Touch *(PC) 2-58*
On/Off Remote Switch *2-59*
Operator Dialer *(PC) 2-59*
Page Turner *(BP) 2-60*
PhotoPAC/EvalPAC *(AS,CI,EA,ET,PW,TI) 1-71*
Push-On-Push-Off Module *(AS,ET,TR) 1-25*
Radio Remote Control *2-60*
Radio Unicontrol *2-61*
Raised Face-Plate *(KG,PC) 2-61*
RC5000 Radio Home Control System *(CM) 4-63*

Remote Control Sonic Switch *2-62*
Rescue Speech System *(CI,EA,PW) 4-38*
Saltus Reader *(BP) 2-62*
Scanning Console ECS-8 *4-63*
Scanning Remote Control (SRC) *4-64*
ScanPAC/Epson *(CI,CN,EA,PW,TI,TW) 1-74*
Short Wave Computer Interface Unit *(PA) 4-213*
Smarthome I *(CM,PC) 2-63*
SoftVoice *(GA,PA,PC) 4-213*
Sound Activated Light Switch *2-63*
Sparr Telephone Arm *(PC) 4-64*
SpeechPAC/Epson *(CI,EA,PW,TI,TW) 1-76*
Switch Latch *(AS,ET,TR) 1-28*
Switch Latch *(AS,ET,TR) 1-29*
Tape Recorder Aid *2-64*
Tape Recorder with Switch Adapter *2-64*
Telephone Holder & Line Connector *(PC) 2-65*
Telephone On/Off Latch *(PC) 2-65*
Telephone Ring Indicator *(PC) 2-66*
Television Channel Selector *2-66*
Timer and Counter *(AS,ET,TR) 1-31*
Timer Module *(AS,ET,TR) 1-31*
TOSC-2 Environmental Control System *(CM,PC) 2-67*
Touch Talker *(CI,EA,PW,TI,TW) 1-80*
Touch Turner *(BP) 2-67*
ToyPAC *(AS,ET,RE,TR) 1-33*
Training Aid 2 *(AS,ET,TR) 1-33*
Turbo Select *(CI,KM,MT,TI) 4-93*
TV Converter Model 4020 *4-65*
TV Converter Model 4304 *2-68*
TVRC and TVSRC *4-65*
Ultra 4 Remote System *2-68*
Unidialer *(PC) 2-69*
Universal Telephone Adapter *(PC) 2-69*
VocaLink Cellular Module *(PC) 2-70*
Voice Dialer Telephone *(PC) 4-66*
Whistleswitch Remote Control *2-70*
X-10 Powerhouse Computer Interface *(PA) 3-349*
X-10 System *2-71*
Zygo scanWRITER *(CI,EA,PW,TI,TW) 1-86*

Games {GA}

Software products that consist of a game or is written in a game format. Educational programs with a game format will also be listed under Education, Training, and Therapy (ET).

Audio Braille Game Tutorial *(BR,ET,RE) 3-191*
Creature Antics *(ET,TR) 4-169*
Dinosaur Game *(ES,ET,TR) 4-170*
Dot & Draw *(DR,ET,RE) 3-300*
Gibson Light Pen System *(DR,ID,PA,RE) 3-62*
Governor *(PA) 3-135*
H:1 Handicapped Word Games *(ET,LS,RE) 3-300*
Interaction Games *(ET,TR) 4-175*
Lite Touch *(DR,RE,TI) 3-38*
Magic Music Teacher *(ET,RE) 3-301*
Maze *(ET,RE) 3-243*
Mind Master *(RE,TI) 3-39*
Morse Code & Scanning Practice Programs *(ET,RE) 3-247*
Motor Training Games *(ET,TR) 4-185*
Motor Training Games *(AS,ET,RE) 3-301*
Multi-Game Board *3-138*
Muppet Learning Keys *(ET,ID) 3-63*
Race the Clock *(ET,RE) 3-260*
Response Optimizer *(PA) 3-140*
Rockets to the Moon *(ES,ET,TR) 4-188*
Single Switch Game Library *(ET,RE) 3-303*
SoftVoice *(EC,PA,PC) 4-213*
Symbol Writer *(AS,ES,ET) 3-276*
Talking Apple Literacy Kit *(ET,KB,WP) 3-277*
Talking Wheelchair *(CI,PA,RE,WP) 3-340*
Ways to Play *(ET,RE) 3-293*
Wordplay with Alps and Droops *(ET,LS) 4-196*

IEP and IPP {IE}

Software which facilitates the preparation of Individual Education Plans or Individual Program Plans. Most programs in this category will also be listed under "Administration or Management" (AM).

Articulator: Goals and Objectives for Speech *(AM,ST) 3-149*
Automated IEP System and Professional Goal Banks *(AM) 3-150*
Automated IEP System and SCOR Goal Banks *(AM) 3-150*
Computerized Inventory of Basic Skills (CIBS) *(AM,AR) 4-143*
Customized Student Objectives *(AM,AR) 4-143*
DPS:Decision Pathing System *(AM,AP) 3-152*
DPS:HELP *(AM,AR) 3-153*
EdPLAN and EdPLAN+ *(AM) 4-144*
G-S-T C.A.M. *(AM) 4-145*
Goals and Objectives *(AM) 4-145*
IEP Manager, Revised *(AM) 3-155*
IEP System *(AM) 4-146*
IEP Writer *(AM,AR,ST) 3-156*
Minimum Competency Program Writer *(AM) 4-147*
Modularized Student Management System (MSMS-SC) *(AM) 4-148*
Planning Individualized Speech & Language Intervention *(AM,AR) 3-160*
Progress Monitoring Program *(AM,AR) 4-149*
Report Generator *(AM) 4-150*
TALLEY Goals and Objectives Writer *(AM) 4-153*
Target Management System *(AM,AR) 4-154*
UNISTAR Pre-IEP Report *(AM) 3-163*

Input Adapters for Computers {IA}

Special adapters that go between adaptive devices (switches, controls, keyboards, etc.) and the standard computer. These adapters have no function in and of themselves except to act as an adapter to allow the special input device to be plugged into the computer. The adapters may simply adapt from one type of connector to another (for instance a box that connects switch plugs to a joystick plug), or they may provide more sophisticated functions (for example keyboard emulating interfaces for adapting communication aids to computers).

Adaptive Firmware Card *(KE,KM,TI) 3-24*
Adaptive Firmware Card Model G32 *(KE,KM,TI) 4-81*
Apple Adaptor *3-69*
Apple Computer Input Adapter *3-69*
Apple IIe Input Adapter *3-70*
Apple Switch Interface *3-70*
Computer Switch Interface *4-103*
Interface Box for Apple IIe *3-71*
Joystick Replacer Box *4-103*
Keyboard Interface for Apple IIe *(KE) 3-71*
Keyboard Interfaces *(KE) 3-72*
Keyscan II *(KE) 3-72*
Multiple Switch Box for the Adaptive Firmware Card *3-73*
Paddle Adapple *3-73*
Paddle Panel *3-74*
PSS Joystick Adapter *3-74*
R/S II Series Wireless Link *3-75*
Switch Adapter for Apple IIe and II+ Computers *3-75*
Switch Interface *3-76*
SynPhonix 210 *(SS) 4-128*
SynPhonix 220 *(SS) 4-128*
TV Game-2 *3-76*
Universal Input Adaptor *4-104*
Wireless Data Transmission System *3-77*

Input Devices Usable with Only Some Software {ID}

Special input devices that can be used with computers but which do not provide "transparent" access; that is, they do not allow the user to operate all software that could be operated with an equivalent "standard" input device, such as a keyboard or mouse. Instead, these input devices are designed to be used in conjunction with software written expressly for them. If a special hardware or software adaptor is available that converts the input device to transparent input device, then it is listed under Alternate Inputs Usable with All Software (TI), above.

Commodore Light Pen *(AP,DR) 3-61*
Electronic Talk Board *(CI,ET,PA,TR) 4-207*
Gibson Light Pen System *(DR,GA,PA,RE) 3-62*
Hand Controls *4-99*
KoalaPad *(DR) 3-62*
Muppet Learning Keys *(ET,GA) 3-63*
Omnibox *(ET,TR) 3-63*
Play and Match *(AS,ET,TR) 4-187*
PowerPad *(DR,RE) 3-64*
Soft-Touch *4-99*
Touch Window *(DR,DS,RE,WP) 3-65*
TurboTouch 1310 *4-100*
Voice Master *(SS) 3-125*
VS1000 Voice Communications Device *3-65*

Keyboard Emulating Interfaces (Adapters Only) {KE}

Adapters which allow some device that does not normally emulate a standard computer keyboard to emulate a standard computer keyboard. For instance, certain keyboard emulation interfaces can be connected between an electronic communication aid and a computer so that the user of the aid can operate the computer using the communication aid instead of the computer's regular keyboard.

Adaptive Firmware Card *(IA,KM,TI) 3-24*
Adaptive Firmware Card Model G32 *(IA,KM,TI) 4-81*
Keyboard Interface for Apple IIe *(IA) 3-71*
Keyboard Interfaces *(IA) 3-72*
Keyscan II *(IA) 3-72*

Keyboarding Training Programs {KB}

Software which facilitates the acquisition of keyboarding skills (using the standard computer keyboard). Only keyboarding programs especially designed for disabled computer users are included.

Coinsnkeys *(CN,ES,ET) 3-202*
Computer Courseware for the Exceptional Student *(CN,ET,LS) 3-204*
Evaluate *(AS) 4-159*
Keyboarder *(ET,LP) 3-230*
Keyboarding For The Dyslexic *(ET,LS,WP) 3-230*
Keyboarding for the Physically Handicapped *(AS,ET) 3-231*
Keyboarding for the Visually Limited *(ET,LP,WP) 3-231*
Keyboarding Program with Voice Output *(ET) 4-176*
Keyboarding with One Hand *(ET,WP) 3-232*
Keys to Success: Comp. Keybd. Skills for Blind Children *(ET,SV) 3-232*
Keytalk *(ET,LS) 3-233*
Letter Find *(CN,ES,ET,SV) 3-236*
One Handed Typing *(ET) 3-250*
Quiet Duck Learning Series *(AS,ET,LS) 3-259*
Software for Visually Impaired Children *(AP,ET,LS,SV) 3-267*
Talking Apple Literacy Kit *(ET,GA,WP) 3-277*
Talking Writer & Four Games *(ET,LP,PA,SV,WP) 3-341*
Type N' Parrot *(ET,SV) 3-286*
Type to Learn *(ET) 4-194*
Type-Talk *(AP,ET) 3-286*

Keyguards {KG}

Plastic or metal plate that covers the computer keyboard, with holes positioned over each of the keys. Also, any device with a built-in or optional keyguard.

Expanded Keyboard for Apple II+ and IIe *(TI) 3-29*
Expanded Keyboard for Commodore 64 *(TI) 3-29*
Expanded Keyboard for IBM-PC *(TI) 3-29*
Expanded Keyboards for the Talking BlissApple *(TI) 3-31*
Keasyboard *(TI) 3-35*
Keyguard *(KM) 3-8*
Keyguard *(KM) 3-9*
Keyguard *(KM) 3-10*
Keyguard *(KM) 3-10*
Keyguard *(KM) 3-11*
Keyguard *(KM) 3-11*
Keyguard *(KM) 3-12*
Keyguard *(KM) 3-9*
Keyshields *(KM) 3-13*
Lightwriter *(CI,EA,PW) 1-69*
Q.E.D. Scribe *(CI,EA,PW) 4-38*
Raised Face-Plate *(EC,PC) 2-61*
Say-It-All II and II Plus *(CI,EA,PW) 4-39*
Talker II *(CI,EA,PW) 4-40*

Language Therapy/Development {LT}

Software designed to be used for language therapy or language development. Not the same as "Speech Therapy" (ST).

Adventures of Jimmy Jumper - Prepositions *(AS,ES,ET) 3-282*
Basic Language Series-Spatial Concepts *(ES,ET) 3-192*
Basic Vocabulary Builder on Computer *(ET,LS) 3-192*
Breakthrough to Language *(CR,ET) 4-166*
Chatterbox Dictionary *(ES,ET) 3-198*
Computer CUP *(ES,ET) 3-205*
Computer Managed Language Treatment *(AR,ET) 3-206*
Computer Managed Screening Test *(AR,AS,ST) 3-175*
Drills in Language Concepts *(ET,LS) 3-211*
Elephant Ears *(ES,ET) 3-213*
Exploratory Play *(ES,ET) 3-214*
First Categories *(ES,ET,LS) 3-218*
First Verbs *(ES,ET) 3-219*
First Words *(ES,ET) 3-219*
First Words II *(ES,ET) 3-220*
GrammarPlay with Alps and Droops *(ET,LS) 4-174*
HELP Linguidisks *(AR,CR,ET,LS) 3-225*
Holidays *(AR,CR,ET,LS) 3-226*
I Can Talk *(CI,ES,ET,TR) 3-226*
IDEA Cat *(ES,ET,LS) 3-227*
Idioms in America *(AS,ET,LS) 3-227*
Language Intervention Planner *(AM,AR) 3-158*
Language L.A.B. *(AP,AR,ES,ET) 3-234*
Language Stimulation Software Series *(AR,ET,LS) 3-234*
Memory Patterns *(AR,AS,ES,ET) 3-244*
Micro-LADS *(AS,ET) 3-179*
Natural Language Processing Program *(ET) 3-249*
Parrot Easy Language Sample Analysis (PELSA) *(AM,AR,AS) 3-158*
Preposition Recognition *(AR,CR,ES,ET) 3-257*
Rate Drill in Articulation, Language and Fluency *(ET,ST) 3-261*
Remedial Secondary or Adult Education Programs *(ET,LS) 3-262*
Representational Play *(ES,ET) 3-263*
SALT (Systematic Analysis of Language Transcripts) *(AM,AR) 3-161*
Soft Tools '83, '84, '85 *(CR,ES,ET,LS) 3-267*
Survival Words *(AD,AS,ET,LS) 3-275*
Talk About A Walk *(ES,ET) 3-277*
Teaching Vocabulary LinguiDisks *(AR,ET) 3-281*
Visual Recognition *(AR,AS,ES,ET) 3-289*
Voice English Language Development *(ET) 3-291*
WALC LinguiDisks *(CR,ET,LS) 3-292*

Word Class Inventory for School Age Children *(AM,AR) 3-167*
Word Recognition *(AR,AS,ES,ET) 3-294*

Large Print Output {LP}

Software or devices specifically designed to produce large print, either on the screen or on paper. The product must be designed to be usable by people with visual impairments.

Beamscope II *(TO) 3-82*
BEX *(BR,PA,SV,WP) 3-309*
Bigprint *(TO) 4-107*
Calc-Talk *(CN,PA,SV) 3-312*
Classy Letterheads - Speak! *(PA,SV,WP) 3-313*
Compu-Lenz *(TO) 3-84*
Computer Aids for the Blind (21 programs) *(CI,ET,PA,SV,TR,WP) 4-205*
Computer Aids for the Non-Verbal (31 programs) *(CI,CN,DR,ET,PA,TR) 4-206*
Elementary MOD Keyboard System *(CI,ET,TI) 3-28*
Enlarged Alpha & Numeric Keytops *(KM) 4-76*
Expand-a-View *(TO) 3-86*
Getting Started in Arithmetic Series (and Sam's Store) *(CN,ET,LS,SV) 3-223*
inLARGE *(TO) 3-87*
Joywriter *(PA) 3-322*
Keyboarder *(ET,KB) 3-230*
Keyboarding for the Visually Limited *(ET,KB,WP) 3-231*
Kidsview *(ET) 4-177*
Kidsword *(ET,WP) 4-178*
Large Font Electric Answer Sheet I & II *(ET) 4-178*
Large Font Math Drill Series *(CN,ET,LS) 4-179*
Large Font Paragraph Recorder *(ET) 4-179*
Large Font Programmer *(PA) 4-209*
Large Print Display Processor *(TO) 3-88*
Large Print DOS *(TO) 4-111*
Large Print Word Processor *(PA,WP) 3-323*
Large Type *(PA,WP) 3-323*
LimeLight *(TO) 3-89*
LoVE *(PA,SV,WP) 3-325*
Low Vision Editor (LVE) *(PA,WP) 4-210*
Lyon Large Print Program *(TO) 3-89*
MacProjector Model I & II *(TO) 4-112*
Magic Keyboard *(TO) 3-90*
Magic Slate *(ET,LS,PA,WP) 3-239*
Magnicomp *(PA) 3-326*
MagniLink *(TO) 3-90*
Megaword *(PA,WP) 4-210*
MultiScribe *(PA,WP) 3-329*
Optacon *(BD,TO) 3-91*
PC Lens *(TO) 3-91*
Peachy Writer Bold *(PA) 3-330*
Presenter's Aid *(ET,PA) 4-212*
Printer Control Program *(TO) 4-112*
Talking Writer & Four Games *(ET,KB,PA,SV,WP) 3-341*
Tall Talk Prints *(SV,TO) 3-97*
Tall Talk Screens *(SV,TO) 3-98*
Textalk *(PA,SV,WP) 3-343*
Vantage *(TO) 3-99*
Verbal View *(TO) 4-116*
Viewscan Text System *(CN,PA,PW,TE,TO,WP) 3-100*
Vista *(TO) 3-101*
Wordease *(PA,WP) 4-217*

Later Skills (Includes Reading) {LS}

Software designed to teach post-reading academic skills. "Early Skills" (ES) designates skills that are pre-reading.

Academics with Scanning: Language Arts *(ET) 3-188*
Aphasia Series: I through VIII *(CR,ET) 3-190*
Arithmetic 1, 2, and 3 with Speech *(AR,CN,ET,SV) 3-191*
Basic Vocabulary Builder on Computer *(ET,LT) 3-192*
Blisspen *(ET) 3-193*
Captain's Log: Cognitive Training System *(AS,CR,ES,ET) 3-196*
CARA (Computer Assisted Reading Assessment) *(AR,AS) 3-173*
Cloze-Plus Program *(ET) 3-199*
Cognitive Rehabilitation Series *(CR,ET) 3-199*
Cogrehab Vol. 1 *(CR,ET) 3-200*
Cogrehab Vol. 2 *(CR,ET) 3-200*
Cogrehab Vol. 3 *(CR,ET) 3-201*
Cogrehab Vol. 4 *(CR,ET) 3-201*
Complete Spelling Program *(ET) 3-203*
Comprehension Power Program *(AR,ET) 3-203*
Computer Courseware for the Exceptional Student *(CN,ET,KB) 3-204*
Computer Progs. for Neuropsychological Testing & Rehab. *(AR,CR,ET) 3-206*
Computerized Reading for Aphasics *(AR,AS,CR,ET) 3-207*
Core Reading and Vocabulary Development *(ET) 3-208*
CREATE *(AR,AS,CR,ES,ET) 3-209*
Drills in Language Concepts *(ET,LT) 3-211*
Edmark Reading Program, Level 1 *(ES,ET) 3-212*
Edufun *(CN,ET) 3-213*
Elementary Volume 1 - Mathematics *(CN,ET,SV) 4-170*
Fay's Word Rally *(ET) 3-215*
Fay: The Word Hunter *(AP,ET) 3-216*
First Categories *(ES,ET,LT) 3-218*
Game Power for Phonics, Plus *(AS,ET) 3-177*
Getting Started in Arithmetic Series (and Sam's Store) *(CN,ET,LP,SV) 3-223*
Goldilocks and the Three Bears *(ET) 4-174*
GrammarPlay with Alps and Droops *(ET,LT) 4-174*
Guessing and Thinking *(CN,ET) 3-224*
H:1 Handicapped Word Games *(ET,GA,RE) 3-300*
H:2 Handicapped Arithmetic Flash Cards *(CN,ET,RE) 3-224*
HELP Linguidisks *(AR,CR,ET,LT) 3-225*
Holidays *(AR,CR,ET,LT) 3-226*
IDEA Cat *(ES,ET,LT) 3-227*
Idioms in America *(AS,ET,LT) 3-227*
Kennedy Handi-Math Program *(CN,ET) 3-229*
Keyboarding For The Dyslexic *(ET,KB,WP) 3-230*
Keytalk *(ET,KB) 3-233*
Kid-Talk I *(AS,ET) 4-177*
Language Stimulation Software Series *(AR,ET,LT) 3-234*
Large Font Math Drill Series *(CN,ET,LP) 4-179*
Lightpen Programs for Special Education I & II *(CN,ET) 3-237*
Listen to Learn *(ET,WP) 3-238*
LogicMaster *(AS,ET) 3-238*
Logo Learning with Numbers *(CN,ET) 4-181*
Logo Learning with Words *(ET) 4-181*
Lost R – Reasoning *(CR,ET) 3-282*
Magic Slate *(ET,LP,PA,WP) 3-239*
Math Decathlon *(CN,ET,SV) 4-182*
Math Power Program *(CN,ET) 3-240*
Memory I *(CR,ES,ET) 3-243*
Memory II *(CR,ES,ET) 3-244*
Micro-Interpreter IV (Story Signer) *(ET,SI) 4-183*
Money Skills *(AD,CN,ET) 4-184*
PAVE: Perceptual Accuracy/Visual Efficiency Training *(ET) 3-251*
Pictures Programs: I, II and III *(CR,ES,ET) 3-253*
PII - Personalized Information for Independence *(AD,AR,CR,ET) 3-254*
Point and Read *(ET) 3-254*
Primer 83 *(AS,ET) 3-257*
Processing Power Program *(ET) 3-258*
Quiet Duck Learning Series *(AS,ET,KB) 3-259*
Reading Around Words Program *(ET) 3-261*
Reading Recognition *(AR,AS,ET) 3-262*
Remedial Secondary or Adult Education Programs *(ET,LT) 3-262*
Sight Word Spelling *(ET,SV) 3-265*
Soft Tools '83, '84, '85 *(CR,ES,ET,LT) 3-267*
Software for Visually Impaired Children *(AP,ET,KB,SV) 3-267*
Sound Ideas *(ET) 3-268*
Speaking Speller *(ET,SV) 4-189*

Special Education (Elementary): Paks for Special Needs *(ES,ET) 3-269*
Special Education Collection *(ET) 4-190*
Special Needs Volume 1 - Spelling *(ET) 3-269*
Special Needs Volume 2 - Simulations & Drills *(CN,ET) 3-270*
Spell-A-Vision *(ET) 3-271*
Speller Bee *(ET) 3-272*
Spelling Tutor *(ET) 3-272*
Spellist *(ET) 3-273*
Spin and Spell *(ET) 4-190*
Sunny Days *(ET) 3-274*
Surrounding Patterns (and other programs) *(CR,ES,ET) 3-274*
Survival Words *(AD,AS,ET,LT) 3-275*
Talking Public Domain Disks *(ET,SV,VO) 4-191*
Talking Riddles *(ET) 3-278*
Talking Text Writer *(ET,SV,WP) 3-279*
Tell and Spell *(ET) 4-192*
Twenty Categories *(AR,ET) 3-285*
Understanding Questions, Sentences I & II, Stories *(CR,ET) 3-287*
Visual/Reading Drills *(CR,ET) 3-290*
Voice Reading Ability Drill *(ET) 3-292*
WALC LinguiDisks *(CR,ET,LT) 3-292*
Word Memory Programs *(CR,ET) 3-293*
Wordplay with Alps and Droops *(ET,GA) 4-196*
Write *(CI,ET,SV) 3-295*
Writing to Read *(ET) 3-295*

Lipreading (Speech Reading) {LR}

Software which instructs the user in how to read lips, or provides information in the form of representations of mouth movements.

Lip-Reader Trainer *(AS,ET) 3-237*

Modifications for Standard Keyboards {KM}

Hardware or software that modifies how a computer's standard keyboard operates. Hardware adaptations include keyguards, key latches, moisture guards, foot operated shift keys, etc. Software adaptations include programs for adjusting the keyboard repeat rate, programs for accelerated typing, programs for rearranging the keyboard, and programs that electronically "lock" keys such a SHIFT. This code includes only products which adapt a computer's standard keyboard. Actual alternative keyboards are listed under "Alternate Inputs Usable with All Software" (TI). Adaptations and modifications for parts of the computer other than the keyboard can be found under "Other Software or Hardware Adaptations" (OA).

Abbreviation/Expansion *(PA,WP) 4-203*
Adaptive Firmware Card *(IA,KE,TI) 3-24*
Adaptive Firmware Card Model G32 *(IA,KE,TI) 4-81*
Cacti Word Processor *(PA,WP) 3-311*
CHPI Apple Tool Kit *(BR,PA,TL,WP) 3-312*
CTRL & ALT Key Adaptive Program *3-3*
Dvorak Keyboard Converter *3-3*
Dvorak Keyboard Modification Programs *3-4*
E Z Keys *4-75*
E Z Talker *(CI,EA,PA) 4-207*
Easy Access *(MT) 4-75*
echoBOX *(TI) 4-83*
Enlarged Alpha & Numeric Keytops *(LP) 4-76*
Filch *3-4*
FlexShield Keyboard Protectors *4-76*
Handi-Keys *(AR,AS) 3-5*
Hope *3-5*
HX-20 Protective Cover *3-6*
Key Latches *3-6*
Key Tronic Plug-Compatible Keyboards *3-7*
Keyboard Covers *3-7*
Keyer *3-8*
Keyguard *(KG) 3-8*
Keyguard *(KG) 3-9*
Keyguard *(KG) 3-10*
Keyguard *(KG) 3-10*
Keyguard *(KG) 3-11*
Keyguard *(KG) 3-11*
Keyguard *(KG) 3-12*
Keyguard *(KG) 3-9*
Keylocks *3-12*
Keylocks *3-13*
Keyshields *(KG) 3-13*
Keyworks *3-37*
MacroWorks *3-14*
Moisture Guard *3-14*
Moisture Guard *3-15*
One Finger *3-15*
PC Assisted Keyboard *3-16*
PC Serial AID *(TI) 3-42*
PC-Pedal *3-16*
PRD+ *4-77*
ProKey *3-17*
Prompt-Writer *(PA,SV,WP) 3-331*
Quad-Independence Typewriter-Printer System *(EA,WP) 1-73*
QuickWord *3-45*
Repeat Defeat *3-17*
SafeSkin Keyboard Protector *3-18*
Smartkey *3-18*
Smartline Smartboard *(TI) 4-93*
Special Inputs Disk *(AS,ET,TI) 3-47*
Stick-On Keylocks *3-19*
SuperKey *3-19*
Tempo *4-77*
Touchdown Keytop Expanders *4-78*
Turbo Select *(CI,EC,MT,TI) 4-93*
Verbal Operating System *(SV,TO) 4-116*
XtraKey *3-20*

Mouse and Touch Pad Emulation {MT}

Special inputs which can be used in place of a standard mouse or touch pad, or any interface (adapter) that allows some special input device to function like a mouse or touchpad.

Easy Access *(KM) 4-75*
Footmouse *(TI) 3-32*
HeadMaster *(TI) 3-33*
McIntyre *(TI) 4-86*
Mouse Emulator *(TI) 4-87*
quadLynx Trackball *(TI) 3-44*
Turbo Select *(CI,EC,KM,TI) 4-93*

Non-Electronic Communication Aids {NA}

Communication aids which do not involve electricity, as well as materials used in developing non-electronic communication systems. This includes communication boards, eye-gaze boards, pre-printed communication symbols, etc. You can look up non-electronic aids by the symbol system they use in Index 2, under "Input Symbol System."

B-H Communicator *(CI) 4-29*
Blissymbol Templates *4-29*
Blissymbol Vocabulary Stamps *(CI,ET) 1-41*
Brighter Pathways Communication Symbols and Grids *(CI,ET) 1-41*
Choice Board *(AS,ET) 1-42*
Cleo Communication Board *(CI) 1-42*
Communication Binder *(CI) 1-43*
Communication Folder *(CI) 1-43*
Communication Sheets *(CI,ET) 1-44*
Core Picture Vocabulary *(CI,ET) 1-44*
Core Vocabulary *(CI) 4-30*
Eye Transfer Communication System *(CI,ET) 1-45*
Eye-Com *(CI,ET) 1-45*
Eye-Com Board *(CI,ET) 1-46*
Fast Food Passport *(CI) 4-30*
Fold-It System *(CI) 1-46*
Foto Series *(ET) 1-47*
Help Me to Help Myself *(CI,ET) 1-47*

Index 1: Products Listed by FUNCTION

Individualized Communication Systems *(CI,ET) 1-48*
Life Experiences Communication Kit *(CI,ET) 1-48*
Nu-Vue-Cue *(CI,ET) 1-49*
Oakland Schools Picture Dictionary *(CI,ET) 1-49*
Object-Picture Talk Board *(CI,TR) 4-31*
Opticommunicator *(CI,ET) 1-50*
PIC Word Board *(CI,ET) 1-50*
Pick 'N Stick Color Packs *4-31*
PICSYMS Categorical Dictionary *(CI,ET) 1-51*
Pictogram Ideogram Communication (PIC) *(CI,ET) 1-51*
Picture Communication Symbols, Book I and Book II *(CI,ET) 1-52*
Picture Your Blissymbols *(CI,ET) 1-52*
Pictures, Please! *(CI,ET) 1-53*
Pocket Picture Holder *4-32*
Pocket-Sized Communication Book *(CI) 1-53*
Porta Book *(CI) 1-54*
Portable Communication Boards *(CI) 1-54*
Practice Communication Cards *(AS,CI,ET) 1-55*
Prism Communication Tray *(CI,ET) 1-55*
See-Thru Communication Kit *(CI) 4-32*
Self-Talk *(CI) 4-33*
Talk Board *(CI) 1-56*
Talking Mitt *(CI,TR) 4-33* .
Talking Paddles *(CI,ET) 1-56*
Talking Pictures Communication Board *(CI,ET) 1-57*
Talking Pictures, Kits I, II, and III *(CI,ET) 1-57*
TIGER Jr. *(CI,EA,TR) 4-24*
Touch 'N Talk Communication Board *(CI,ET) 1-58*
Touch 'N Talk Communication Notebook *(CI) 1-58*
Touch 'N Talk Communication Stickers *(CI,ET) 1-59*
Touch 'N Talk Micros *(CI,ET) 1-59*
Unipix *(CI,ET) 1-60*
Word Board *(CI) 1-60*

Personal Tools or Aids (for Speaking, Writing, Drawing, Controlling, etc.) {PA}

Software programs that are designed to be used on a long term basis by an individual as a personal tool or prosthetic aid. This includes programs which facilitate an individual's ability to communicate, write, draw, control, and move about. It does not include programs whose only function is to provide access to other software; these would be classified under "Alternate Inputs Usable with All Software" (TI). Some examples of personal tools are: word processing programs with large print, software for enviromental control, and software for communication or conversing by synthesized speech.

AARON *(CI,WP) 3-307*
Abbreviation/Expansion *(KM,WP) 4-203*
AppleWorks Companion *(SV) 4-203*
Appliance Genie *(AS,EC,ET) 3-307*
Audible Cursor Routine *(CI,TR) 4-204*
Audio Scan *(CI) 3-308*
Automatic Form Writer *(SV,VO) 3-308*
BEX *(BR,LP,SV,WP) 3-309*
Blissymbolics: Bliss Library *(AP) 3-309*
Blissymbolics: Blissboard *(CI,ET) 3-310*
Braille Font for MousePaint *(BR) 4-204*
Braille Translation Software *(BR) 3-310*
Braille-Talk *(BR,SV) 3-311*
Cacti Word Processor *(KM,WP) 3-311*
Calc-Talk *(CN,LP,SV) 3-312*
CHPI Apple Tool Kit *(BR,KM,TL,WP) 3-312*
Classy Letterheads - Speak! *(LP,SV,WP) 3-313*
Comm-Prog *(CI) 3-313*
Communication Programs *(CI,EC,TR) 4-205*
Communicator *(WP) 3-314*
CommuniTree - First and Second Editions *(DS,TL) 3-314*
Computer Aids for the Blind (21 programs) *(CI,ET,LP,SV,TR,WP) 4-205*
Computer Aids for the Non-Verbal (31 programs) *(CI,CN,DR,ET,LP,TR) 4-206*
Computerized Enabling System *(CI,EC,PC,WP) 3-315*
Control Without Keyboards *(AS,CI,ET) 3-315*
Duxbury Braille Translator *(BR) 3-316*
Dynaread *(WP) 4-206*
E Z Talker *(CI,EA,KM) 4-207*
E-Z Pilot II Authoring System and Training Package *(AP) 3-316*
Easy Programmer *3-317*
Electronic 31 Day Calendar *(SV) 3-317*
Electronic Talk Board *(CI,ET,ID,TR) 4-207*
Environmental Control Program *(EC,TR) 4-208*
Fast Access Scan Talker *(CI) 3-318*
File-Talk *(DS,SV) 3-318*
Freedom Writer *(WP) 4-208*
Gibson Light Pen System *(DR,GA,ID,RE) 3-62*
Governor *(GA) 3-135*
Graphics Magician Jr. *(DR,RE) 3-319*
Graphics Magician Painter *(DR,RE) 3-319*
Handi-Writer Version 3.51 *(CI) 3-320*
Hot Dots *(BR) 3-320*
IBM Augmented Phone Services *(PC,SS,TD) 4-209*
Illustrations *(BR,DR) 3-321*
Joywriter *(LP) 3-322*
Keynote *(PW,SV,TL,TO,WP) 3-88*
Kid Talk *(ES,ET,SV,WP) 3-322*
Large Font Programmer *(LP) 4-209*
Large Print Word Processor *(LP,WP) 3-323*
Large Type *(LP,WP) 3-323*
Leo's 'Lectric Paintbrush *(DR,ET,RE) 3-324*
Lister Talker *(DS,SV) 3-324*
LoVE *(LP,SV,WP) 3-325*
Low Vision Editor (LVE) *(LP,WP) 4-210*
Mac-Apple Communication Aid *(CI,CN,DR,ES,ET,WP) 3-325*
Magic Cymbals *(CI) 3-326*
Magic Slate *(ET,LP,LS,WP) 3-239*
Magnicomp *(LP) 3-326*
Megaword *(LP,WP) 4-210*
Message Maker *(CI) 3-327*
Micro Braille *(BR,WP) 3-327*
MicroIllustrator *(DR,ET,RE) 3-328*
MindReader *(WP) 4-211*
Morser *(WP) 3-328*
Multi-Scan *(AS,CI,ET,TR) 3-329*
MultiScribe *(LP,WP) 3-329*
PC/TDDA Software *(CI,PC,TD) 4-211*
Peachy Writer Bold *(LP) 3-330*
Personal Money Management *(SV) 3-330*
Picture Communication *(CI,ET) 3-331*
Picture Perfect *(DR,RE) 3-302*
Presenter's Aid *(ET,LP) 4-212*
Prompt-Writer *(KM,SV,WP) 3-331*
ProWORDS *(SV,WP) 3-332*
Quick Talk *(CI,PC) 3-332*
Quick Textfile Converter (QTC) *(BR,WP) 4-212*
Rapsheet *(DS,SV) 3-333*
Response Optimizer *(GA) 3-140*
RIC Easy Talker *(CI) 3-333*
Say It *(CI) 3-334*
Sentence-Scan *(CI,ET) 3-334*
Short Wave Computer Interface Unit *(EC) 4-213*
SoftVoice *(EC,GA,PC) 4-213*
Speak Up *(CI) 3-335*
Speak-A-Label *(DS,SV) 3-335*
Speech Writer *(SV,WP) 3-336*
Stat Talk *(CN,SV) 4-214*
Super Cranmer Graphics Package *(BR,ET) 3-336*
Super Shape Draw & Animate *(DR,RE) 3-337*
Talk II *(CI) 3-337*
Talker *(SV,WP) 3-338*
Talker Communication Program *(CI) 4-214*
Talking Aid *(CI) 3-338*
Talking BlissApple *(CI,ET) 3-339*
Talking Sensible Speller *(SV) 3-339*
Talking Transcend II *(TL) 3-340*
Talking Wheelchair *(CI,GA,RE,WP) 3-340*
Talking Word Board *(CI) 3-341*
Talking Writer & Four Games *(ET,KB,LP,SV,WP) 3-341*

Tally-Talk *(DS) 3-342*
Tele-Talk *(SV) 3-342*
Textalk *(LP,SV,WP) 3-343*
Textwriter 2.0 *(SV,WP) 3-343*
Touch & Speak *(CI,ET,TR) 3-344*
TranscriBEX *(BR,WP) 4-215*
Transcription Station *(BR,WP) 4-215*
TRAX PAX Talking Checkbook *(SV) 3-344*
TRAX PAX Talking File Box *(SV) 3-345*
Type & Speak *(CI,S[illegible]) 3-345*
Ultimate Banker *(CN,SV) 3-346*
Ultimate File Cabinet *(DS) 3-346*
UNI-PTC TDD *(CI,CN,PC,TD,TL,TO) 4-216*
VERBal STAR *(SV,WP) 3-347*
Verbal Windows *(SV) 4-216*
VersaBraille *(BD,BR,WP) 3-111*
VIC-20 Scanner *(CI,WP) 3-347*
Viewscan Text System *(CN,LP,PW,TE,TO,WP) 3-100*
Word Communication *(CI) 3-348*
Word-Talk *(SV,WP) 3-348*
Wordease *(LP,WP) 4-217*
X-10 Powerhouse Computer Interface *(EC) 3-349*

Phone Control/Access {PC}

Products which provide control over the answering or dialing functions of a telephone, or products specifically designed to be used with a telephone. This does not include voice output communication aids or software that could be used to converse on the phone.

Able-Phone 100 *(EC) 4-61*
ACS Medicom Computer System *(CI,EC,TI,TL) 3-23*
Amcom C *(CI,TD,TL) 1-89*
Amplified Transmitter Handsets *(SA,VA) 1-3*
Automatic Message Dialer *(CM,EC) 2-45*
Butler-in-a-Box *(EC,TI) 2-46*
CallText 5000 *(SS) 3-115*
CallText 5050 *(SS) 3-115*
COM 2000 *(CI,TD,TL) 1-89*
Command Telephone System *(EC) 2-47*
Computerized Enabling System *(CI,EC,PA,WP) 3-315*
Control 1 *(EC) 2-47*
Deuce *(EC,TW) 2-48*
Directel *(EC) 2-49*
Dynamate 1200 *(EC) 2-50*
Dynamate 2000 *(EC) 2-50*
Echo 2000 *(CI,TD,TL) 1-90*
Expanded Keyboard for Automatic Telephone *(EC) 2-53*
EZRA *(CI,CM,EC) 2-54*
Fone Holder *(EC) 2-54*
Giant Push Button Telephone Adapter *(EC) 2-55*
HAL (Home Automation Link) *(EC,TI) 4-84*
Handset for Speech Amplification *(SA,VA) 1-4*
IBM Augmented Phone Services *(PA,SS,TD) 4-209*
Intele-Type *(CI,TD,TL) 1-90*
Jumbo Phone with 9 Memories *(EC) 2-56*
Lifestyle Personal Communicator *(CI,CN,TD,TL) 1-91*
MECCA *(EC) 2-57*
MicroDEC II *(CM,EC) 2-57*
No-Touch *(EC) 2-58*
Operator Dialer *(EC) 2-59*
PC/TDDA Software *(CI,PA,TD) 4-211*
Phone-TTY CM-4 Computer Modem *(CI,TD,TL) 4-45*
Porta Printer Plus MP20D *(CI,TD,TL) 1-93*
Porta Printer Plus MP40D *(CI,TD,TL) 1-93*
Print-A-Call *(CI,TD,TL) 1-94*
Quick Talk *(CI,PA) 3-332*
Raised Face-Plate *(EC,KG) 2-61*
SM85 Smart ASCII/Baudot Modem *(CI,TD,TL) 4-45*
Smarthome I *(CM,EC) 2-63*
SoftVoice *(EC,GA,PA) 4-213*
Sparr Telephone Arm *(EC) 4-64*
Superprint 100, 200, 400 *(CI,TD,TL) 1-96*
Talking 100 *(CI,EA,PW,WP) 1-78*
Tape-A-Message *(AS,ET,TR) 1-30*
TeleBraille *(CI,TD,TL) 1-97*
Telephone Holder & Line Connector *(EC) 2-65*
Telephone On/Off Latch *(EC) 2-65*
Telephone Ring Indicator *(EC) 2-66*
TOSC-2 Environmental Control System *(CM,EC) 2-67*
UNI-PTC TDD *(CI,CN,PA,TD,TL,TO) 4-216*
Unidialer *(EC) 2-69*
Universal Telephone Adapter *(EC) 2-69*
VocaLink Cellular Module *(EC) 2-70*
Voice Communications Option *(SS,SV,TI,TL) 3-53*
Voice Communications System *(TI) 3-54*
Voice Dialer Telephone *(EC) 4-66*

Pointing and Typing Aids {PT}

Devices whose purpose is to facilitate an individual's ability to point to objects or press keys. Headsticks, mouthsticks, and lightbeam pointers are all included in this category. There are other devices useful for pointing and typing which have not been included in this book, however, such as hand splints or typing sticks.

AD-1 Standard Pointer *1-9*
Adjustable Head Pointer *1-9*
Adjustable Head Pointer *1-9*
Adjustable Head Pointer *4-9*
Adjustable Head Pointer *1-10*
Arrow Mouthstick Kit *4-9*
Clear-View Head Pointer *1-10*
Heyer-Abadie Modular Mouthstick *1-10*
Light Pointer *1-11*
Light Pointer *4-9*
Model I Light Pointer *4-10*
Model II Light Pointer with Headstick *4-10*
Model III Headstick *4-10*
Mouth Held Page Turners *(BP) 1-11*
Mouthsticks *(BP) 1-11*
Talking Beam *1-12*
Vacuum Wand *(BP) 4-11*
Viewpoint Optical Indicator 6 *1-12*

Portable Writing {PW}

Portable aids which have a printer or can be connected to one. This includes portable communication aids, as well as portable electronic "notebooks" with braille, voice, or large print output.

Braille 'n Speak *(BR,SV,TO) 4-108*
Canon Communicator M *(CI,EA,TI,TW) 1-63*
Dvorak One-Hand Typewriter *(CI,EA) 1-64*
Equalizer *(CI,DR,EA,RE,TI,TW) 1-64*
Express 3 *(CI,EA,EC,TI,TW) 1-65*
EyeTyper 300 *(CI,EA,EC,TI) 4-37*
EyeTyper Model 200 *(CI,EA,EC,TI) 1-66*
Handy Terminal *(EA,TI,TW) 1-67*
ICOMM *(CI,EA,TI,TW) 1-68*
Keynote *(PA,SV,TL,TO,WP) 3-88*
Light Talker *(CI,EA,EC,TI,TW) 1-68*
Lightwriter *(CI,EA,KG) 1-69*
Microbrailler 2400 *(BD,BR,TO,WP) 3-107*
Minicom II *(CI,TD,TL) 1-92*
Minspeak 1 *(CI,EA,EC,TI,TW) 1-70*
PACA (Portable Anticipatory Communication Aid) *(CI,CN,EA,WP) 1-71*
PhotoPAC/EvalPAC *(AS,CI,EA,EC,ET,TI) 1-71*
Pocket-Braille *(BD,BR,SV) 4-122*
Porta-Braille *(BD,BR) 4-122*
Portable Pocket Typewriter/Computer *(CI,EA) 1-72*
Portable Voice II *(CI,EA) 1-72*
Prairie Power Portable IIc System *3-139*
Q.E.D. Scribe *(CI,EA,KG) 4-38*
Rescue Speech System *(CI,EA,EC) 4-38*
Say-It-All and Say-It-All Super Plus *(CI,EA) 1-73*
Say-It-All II and II Plus *(CI,EA,KG) 4-39*

ScanPAC/Epson *(CI,CN,EA,EC,TI,TW) 1-74*
Small Talk *(CI,CN,SV,TO,WP) 1-75*
SpeechAid *(CI,EA,TI,TW) 1-76*
SpeechPAC/Epson *(CI,EA,EC,TI,TW) 1-76*
Talker II *(CI,EA,KG) 4-40*
Talking 100 *(CI,EA,PC,WP) 1-78*
TIM *(CI,EA,WP) 1-79*
Timothy Communications Package *(CI,EA) 1-79*
Touch Talker *(CI,EA,EC,TI,TW) 1-80*
Travel Talk *(CN,SV,TO,WP) 4-115*
Trine System (ACS) *(CI,EA,TI,TW,WP) 1-80*
Trine System (Words+) *(CI,EA,TI,TW,WP) 1-81*
Typewriters for the Visually Impaired *(EA) 1-81*
Verbal Convertible *(CI,CN,EA,SV,TO) 4-115*
VersaBraille II+ *(BD,BR,TO) 4-117*
Viewscan Text System *(CN,LP,PA,TE,TO,WP) 3-100*
Zygo Model 100 *(CI,EA,ET,TI,TW) 1-85*
Zygo Notebook *(CI,EA,WP) 1-85*
Zygo scanWRITER *(CI,EA,EC,TI,TW) 1-86*

Recreation {RE}

Software whose function is to provide recreation. If a program has a game format, but the primary function is education and training, it will also be listed under "Education, Training, and Therapy" (ET).

Audio Braille Game Tutorial *(BR,ET,GA) 3-191*
Blazing Paddles *(DR,ET) 3-299*
Creativity Tool Box *(AP,DR,ET) 3-299*
Dot & Draw *(DR,ET,GA) 3-300*
Electric Crayon *(DR,ET) 4-199*
Equalizer *(CI,DR,EA,PW,TI,TW) 1-64*
Gibson Light Pen System *(DR,GA,ID,PA) 3-62*
Graphics Magician Jr. *(DR,PA) 3-319*
Graphics Magician Painter *(DR,PA) 3-319*
H:1 Handicapped Word Games *(ET,GA,LS) 3-300*
H:2 Handicapped Arithmetic Flash Cards *(CN,ET,LS) 3-224*
Hand/Eye Coordination Programs *(DR,ES,ET) 3-225*
Leo's 'Lectric Paintbrush *(DR,ET,PA) 3-324*
Lite Touch *(DR,GA,TI) 3-38*
Living Center III *(CI,CN,EA,EC,WP) 1-69*
Magic Music Teacher *(ET,GA) 3-301*
Maze *(ET,GA) 3-243*
MicroIllustrator *(DR,ET,PA) 3-328*
Mind Master *(GA,TI) 3-39*
Morse Code & Scanning Practice Programs *(ET,GA) 3-247*
Motor Training Games *(AS,ET,GA) 3-301*
Phonics, Text, and Graphics *(DR,ET,WP) 3-252*
PIC Man *(DR,ET) 3-302*
Picture Perfect *(DR,PA) 3-302*
PowerPad *(DR,ID) 3-64*
Race the Clock *(ET,GA) 3-260*
Single Switch Game Library *(ET,GA) 3-303*
Super Shape Draw & Animate *(DR,PA) 3-337*
Talking Wheelchair *(CI,GA,PA,WP) 3-340*
Touch Window *(DR,DS,ID,WP) 3-65*
ToyPAC *(AS,EC,ET,TR) 1-33*
Ways to Play *(ET,GA) 3-293*

Screen (Display) to Voice {SV}

Software or hardware which will read the contents of the computer screen through a voice synthesizer, so that the software can be operated by a user who cannot see the computer screen. This includes "screen access" hardware or software, which provides voice output of screen information for any standard software the user is running (see Alternate Display System Usable with All Software, TO). It also includes individual application programs that provide sufficient voice output to be used by a visually impaired person.

AppleWorks Companion *(PA) 4-203*
Arithmetic 1, 2, and 3 with Speech *(AR,CN,ET,LS) 3-191*
Artic Vision *(TO) 3-81*
AudiBraille Computer *(BR,TO) 3-81*
Automatic Form Writer *(PA,VO) 3-308*
Basic Interpreter for the Blind *(TO) 3-82*
BEX *(BR,LP,PA,WP) 3-309*
Blackboard *(TO) 4-107*
Braille 'n Speak *(BR,PW,TO) 4-108*
Braille Trainer *(BR,ET) 3-195*
Braille-Talk *(BR,PA) 3-311*
Business Vision *(TO) 4-109*
Calc-Talk *(CN,LP,PA) 3-312*
Classy Letterheads - Speak! *(LP,PA,WP) 3-313*
Computer Aids for the Blind (21 programs)
  (CI,ET,LP,PA,TR,WP) 4-205
Easy Vision *(TO) 4-109*
Echo + *(SS) 3-117*
Echo Commander *(TO) 4-110*
Echo/Cricket Training Disk *3-132*
Electronic 31 Day Calendar *(PA) 3-317*
Elementary Volume 1 - Mathematics *(CN,ET,LS) 4-170*
Enable Reader *(TO) 3-85*
Enhanced PC Talking Program *(TO) 3-85*
File-Talk *(DS,PA) 3-318*
Flipper *(TO) 4-110*
Freedom 1 *(TO) 3-86*
Fun With Math *(CN,ET) 3-222*
Getting Started in Arithmetic Series (and Sam's Store)
  (CN,ET,LP,LS) 3-223
IBM Personal System/2 Screen Reader *(TO) 4-111*
Intex-Talker *(SS) 3-118*
K Talker *(TO) 3-87*
Keynote *(PA,PW,TL,TO,WP) 3-88*
Keys to Success: Comp. Keybd. Skills for Blind Children
  (ET,KB) 3-232
Kid Talk *(ES,ET,PA,WP) 3-322*
Letter Find *(CN,ES,ET,KB) 3-236*
Lister Talker *(DS,PA) 3-324*
LoVE *(LP,PA,WP) 3-325*
Master Talker *(AP) 3-137*
Math Decathlon *(CN,ET,LS) 4-182*
PC Speak *(TO) 3-92*
PC Vert *(TO) 3-92*
PC Voice *(TO) 3-93*
Personal Money Management *(PA) 3-330*
Pocket-Braille *(BD,BR,PW) 4-122*
Prompt-Writer *(KM,PA,WP) 3-331*
ProTERM *(TE,TO) 3-94*
PROVOX *(TO) 3-95*
ProWORDS *(PA,WP) 3-332*
Rapsheet *(DS,PA) 3-333*
SCAT (Screen Articulator) *(TO) 3-95*
Screen-Talk Pro *(TO) 3-96*
Sight Word Spelling *(ET,LS) 3-265*
SKERF-Pad *(TO) 4-113*
Small Talk *(CI,CN,PW,TO,WP) 1-75*
SmoothTalker *(SS) 3-120*
Soft Vert *(TO) 3-96*
Software for Visually Impaired Children *(AP,ET,KB,LS) 3-267*
Speak-A-Label *(DS,PA) 3-335*
Speaking Speller *(ET,LS) 4-189*
Speaqualizer *(TO) 4-113*
Speech Enable *(TO) 4-114*
Speech Writer *(PA,WP) 3-336*
Stat Talk *(CN,PA) 4-214*
SynPhonix 100 *(SS) 3-122*
Talker *(PA,WP) 3-338*
Talking Public Domain Disks *(ET,LS,VO) 4-191*
Talking Scanner *(ET) 3-279*
Talking Sensible Speller *(PA) 3-339*
Talking TermExec *(TO) 3-97*
Talking Text Writer *(ET,LS,WP) 3-279*
Talking Unicorn *(ET) 3-280*
Talking Writer & Four Games *(ET,KB,LP,PA,WP) 3-341*
Tall Talk Prints *(LP,TO) 3-97*
Tall Talk Screens *(LP,TO) 3-98*
Tele-Talk *(PA) 3-342*
Textalk *(LP,PA,WP) 3-343*

TexTalker 3.1.2 *(ET,TO) 4-114*
Textalker.Blind and Other Echo Utilities *(ET,TO) 3-98*
Textwriter 2.0 *(PA,WP) 3-343*
Travel Talk *(CN,PW,TO,WP) 4-115*
TRAX PAX Talking Checkbook *(PA) 3-344*
TRAX PAX Talking File Box *(PA) 3-345*
Type & Speak *(CI,PA) 3-345*
Type N' Parrot *(ET,KB) 3-286*
Ultimate Banker *(CN,PA) 3-346*
V.P. *(TO) 3-99*
Verbal Convertible *(CI,CN,EA,PW,TO) 4-115*
Verbal Operating System *(KM,TO) 4-116*
VERBal STAR *(PA,WP) 3-347*
Verbal Windows *(PA) 4-216*
Vert Plus *(TO) 3-100*
Video-Voice *(TO) 4-117*
Voice Communications Option *(PC,SS,TI,TL) 3-53*
Voice Synthesizer Team *(SS) 4-129*
Voice Systems Package *(TI) 3-55*
Western Center Echo Synthesizer Package *3-143*
Word-Talk *(PA,WP) 3-348*
Words-to-Voice *(TO,WP) 3-101*
Write *(CI,ET,LS) 3-295*

Signing {SI}

Products that employ sign language for deaf (fingerspelling, ASL, etc.)

Deafsign *(AS,ET) 3-210*
FingerSpeller *(ET) 3-217*
Fingerspeller *(AR,AS,ET) 3-217*
Micro-Interpreter I (Fingerspeller) *(ET) 3-245*
Micro-Interpreter II (CAV-ASL) *(ET) 3-246*
Micro-Interpreter III (Elementary Signer) *(ET) 4-183*
Micro-Interpreter IV (Story Signer) *(ET,LS) 4-183*
PC-Fingers *(ET) 3-252*
Talking Hands *(ET) 3-278*

Speech Aids {SA}

Devices that make oral speech possible for a person for whom oral speech would otherwise be difficult, impossible, or hard to understand. These should not be confused with communication aids, which supplement or replace oral speech with some other mode of communication, such as pointing to pictures or typing on a portable computer.

Amplified Transmitter Handsets *(PC,VA) 1-3*
CommunicAid *(VA) 4-3*
Cooper Rand Electronic Speech Aid *(AL) 1-3*
Edinburgh Masker *4-3*
Electronic Artificial Larynx *(AL) 1-3*
Electronic Voice Synthesizer *(AL) 4-3*
Handset for Speech Amplification *(PC,VA) 1-4*
Neovox *(AL) 1-4*
Osaka Speech Aid *(AL) 4-4*
P.O. Vox *(AL) 1-4*
P.O. Vox Companion *(AL) 1-5*
Park Electronic Artificial Larynx *(AL) 4-4*
Park Speech Amplifier *(VA) 4-4*
Passy-Muir Tracheostomy Speaking Valve *4-5*
Rand Voice Amplifier *(VA) 1-5*
Servox *(AL) 1-5*
SERVOX Inton *(AL) 4-5*
Tokyo Speech Aid *(AL) 4-5*
Venti-Voice *(AL) 1-6*
Voicette *(VA) 1-6*

Speech Synthesizers {SS}

Hardware or software products that generate synthetic human speech. Together with a "text-to-speech" program (frequently provided with the synthesizer), these devices can produce phonetically correct speech from electronic text. These synthesizers are components designed to be used by other application programs. You can locate products (including software) that have speech output by looking in Index 2 under Output/Display: Speech (ODS).

BOSS (Battery Operated Speech Synthesizer) *4-125*
CallText 5000 *(PC) 3-115*
CallText 5050 *(PC) 3-115*
Cricket *3-116*
DECtalk *3-116*
Echo + *(SV) 3-117*
Echo GP *3-117*
Echo IIb *4-125*
Echo PC2 *3-118*
IBM Augmented Phone Services *(PA,PC,TD) 4-209*
Intex-Talker *(SV) 3-118*
IntroVoice VI *(TI) 4-84*
Lis'ner 1000 *(TI) 4-86*
MicroVox *4-126*
Mockingboard *3-119*
Personal Speech System *3-119*
Portable DECtalk *(CI) 4-126*
Slotbuster *3-120*
SmoothTalker *(SV) 3-120*
Smoothtalker for Light Talker and Touch Talker *(CI,EA) 4-40*
Software Automatic Mouth (SAM) *3-121*
Speech Adapter for PC Convertible *4-127*
Super Voice *3-121*
Supertalker *3-122*
Sweet Talker II *4-127*
SynPhonix 100 *(SV) 3-122*
SynPhonix 200 *3-123*
SynPhonix 210 *(IA) 4-128*
SynPhonix 220 *(IA) 4-128*
Synphonix jr *3-123*
Type-'N-Talk *3-124*
Ufonic Voice System *(ET) 3-124*
Voice Communications Option *(PC,SV,TI,TL) 3-53*
Voice Interactive Computer System *(TI,TO) 4-94*
Voice Master *(ID) 3-125*
Voice Synthesizer Team *(SV) 4-129*
Votalker AP *3-125*
Votalker C-64 *3-126*
Votalker IB *3-126*

Speech Therapy (not Language Therapy) {ST}

Products designed to facilitate the development of oral speech skills. This does not include language skill development, which has its own code (Language Therapy, LT).

Anatomy and Physiology of the Speech and Hearing Mech. *(ET) 3-189*
Articulation Error Analysis *(AM,AR) 3-148*
Articulation Error Analysis (AEA) *(AM,AR) 3-148*
Articulator: Goals and Objectives for Speech *(AM,IE) 3-149*
Assessment of Intelligibility of Dysarthric Speech *(AR,AS) 3-171*
CASPT *(ET) 3-197*
Comprehensive Phonemic Inventory for Children, 2.0 *(AR,AS) 3-174*
Computer Aided Stuttering Treatment (CAST) *(ET) 4-167*
Computer Analysis of Phonological Processes (CAPP) *(AM,AR) 4-142*
Computer Assisted Instruction in Phonological Process *(ET) 3-204*
Computer Graphics for the Photo Articulation Test *(AS) 4-159*
Computer Managed Articulation Diagnosis *(AR,AS) 3-174*
Computer Managed Articulation Treatment *(AR,ET) 3-205*
Computer Managed Screening Test *(AR,AS,LT) 3-175*

Computer-Aided Fluency Establishment Trainer (CAFET) *(ET) 4-168*
Frenchay Dysarthria Assessment *(AM,AR,AS) 3-154*
Hypernasality *(AM,AR) 3-155*
IEP Writer *(AM,AR,IE) 3-156*
Laryngograph *(AS,ET) 4-180*
MacSpeech Lab *(ET) 4-182*
Micro Speech Lab *(AR,ET) 3-245*
Minimal Contrast Therapy *(AR,ET) 3-246*
Nasometer *(AS,ET) 4-186*
PEPPER *(AM,AR) 3-159*
Phonological Process Tutor *(ET) 3-253*
Process Analysis Version 2.0 *(AR,AS) 3-180*
Rate Drill in Articulation, Language and Fluency *(ET,LT) 3-261*
Sound Search II *(AM) 3-162*
SpeechMaster *(ET) 3-271*
VARP: Vocal Abuse Reduction Program *(ET) 3-287*
Video Voice *(AR,ET) 3-288*
Visi-Pitch Model 6095 *(AR,ET) 3-288*
Visible Speech Aid *(ET) 3-289*
Voice Activated Graphics *(ET) 4-195*

Telecommunication {TL}

Products designed to facilitate nonspeech communication over telephone lines. For speech communication, see "Phone Control" (PC) and "Conversation/Interaction" (CI).

ACS Medicom Computer System *(CI,EC,PC,TI) 3-23*
Amcom C *(CI,PC,TD) 1-89*
BraT *(BD,BR,TE,TO) 3-84*
CHPI Apple Tool Kit *(BR,KM,PA,WP) 3-312*
COM 2000 *(CI,PC,TD) 1-89*
CommuniTree - First and Second Editions *(DS,PA) 3-314*
Echo 2000 *(CI,PC,TD) 1-90*
Intele-Type *(CI,PC,TD) 1-90*
Keynote *(PA,PW,SV,TO,WP) 3-88*
Lifestyle Personal Communicator *(CI,CN,PC,TD) 1-91*
Minicom II *(CI,PW,TD) 1-92*
Personal Brailler *(BD,BR,TE) 3-109*
Phone-TTY CM-4 Computer Modem *(CI,PC,TD) 4-45*
Porta Printer Plus MP20 *(CI,TD) 1-92*
Porta Printer Plus MP20D *(CI,PC,TD) 1-93*
Porta Printer Plus MP40D *(CI,PC,TD) 1-93*
Porta View Junior/Model 32 *(CI,TD) 1-94*
Print-A-Call *(CI,PC,TD) 1-94*
SM85 Smart ASCII/Baudot Modem *(CI,PC,TD) 4-45*
SSI-100 Communicator *(CI,TD) 1-95*
SSI-220 Communicator *(CI,TD) 1-95*
SSI-240 Communicator *(CI,TD) 1-96*
Superprint 100, 200, 400 *(CI,PC,TD) 1-96*
Talk Tone *(CI,TD) 1-97*
Talking Transcend II *(PA) 3-340*
TeleBraille *(CI,PC,TD) 1-97*
Telewriter *(CI,TD,WP) 1-98*
TRI-170 Braille Terminal Embosser *(BD,BR,TE) 3-110*
UNI-PTC TDD *(CI,CN,PA,PC,TD,TO) 4-216*
Voice Communications Option *(PC,SS,SV,TI) 3-53*

Telecommunication Devices for the Deaf (TDD's) {TD}

Devices which have been specifically designed for deaf individuals to communicate over telephone lines. It includes systems which use ASCII code (a standard computer code), Baudot code (the traditional TDD code), touch tones or voice to transfer information. Telewriters are also included.

Amcom C *(CI,PC,TL) 1-89*
COM 2000 *(CI,PC,TL) 1-89*
Echo 2000 *(CI,PC,TL) 1-90*
IBM Augmented Phone Services *(PA,PC,SS) 4-209*
Intele-Type *(CI,PC,TL) 1-90*
Lifestyle Personal Communicator *(CI,CN,PC,TL) 1-91*
Lifestyle Personal Communicator Expanded Keyboard *1-91*
Minicom II *(CI,PW,TL) 1-92*
PC/TDDA Software *(CI,PA,PC) 4-211*
Phone-TTY CM-4 Computer Modem *(CI,PC,TL) 4-45*
Porta Printer Plus MP20 *(CI,TL) 1-92*
Porta Printer Plus MP20D *(CI,PC,TL) 1-93*
Porta Printer Plus MP40D *(CI,PC,TL) 1-93*
Porta View Junior/Model 32 *(CI,TL) 1-94*
Print-A-Call *(CI,PC,TL) 1-94*
SM85 Smart ASCII/Baudot Modem *(CI,PC,TL) 4-45*
SSI-100 Communicator *(CI,TL) 1-95*
SSI-220 Communicator *(CI,TL) 1-95*
SSI-240 Communicator *(CI,TL) 1-96*
Superprint 100, 200, 400 *(CI,PC,TL) 1-96*
Talk Tone *(CI,TL) 1-97*
TeleBraille *(CI,PC,TL) 1-97*
Telewriter *(CI,TL,WP) 1-98*
UNI-PTC TDD *(CI,CN,PA,PC,TL,TO) 4-216*

Terminal Emulators (Special Only) {TE}

Devices or software that functions as a terminal to a mainframe computer, and has been specially adapted to the needs of disabled computer users.

BraT *(BD,BR,TL,TO) 3-84*
Personal Brailler *(BD,BR,TL) 3-109*
ProTERM *(SV,TO) 3-94*
TRI-170 Braille Terminal Embosser *(BD,BR,TL) 3-110*
Viewscan Text System *(CN,LP,PA,PW,TO,WP) 3-100*

Training and Communication Initiation Aids {TR}

Electric and electronic devices which can be used to initiate communication or train individuals in the use of switches, selection techniques, and other augmentative communication skills. This code also covers software that performs these same functions. Electronic communication aids with less than 32 selections are included in this category because of their limited maximum vocabulary. Rotary scanners and linear scanners are also included.

Ability Switch Tester *(AS,ET) 1-15*
AbleNet Control Unit *(AS,EC,ET) 1-15*
AC Adaptor FRE-103 *4-15*
Accularm *(CM) 2-75*
Active Stimulation Programmer *(AS,EC,ET) 1-16*
Active Therapy System (ACTS) *(AS,EC,ET) 4-164*
Activity Board *(AS,EC) 1-16*
AllTalk *(CI,EA,ET) 1-6[illegible]*
And Or Box *(AS) 4-15*
Audible Cursor Routine *(CI,PA) 4-204*
Audio Control Unit Model 112 *(AS) 4-16*
Battery Adapter *(AS,ET) 1-17*
Battery Device Adapter *(AS,ET) 1-17*
Battery Device Timer *(AS) 4-16*
Battery Interface *(AS,ET) 1-18*
Beeper *(AS,CM) 2-75*
Bliss Skills *(ET) 4-165*
Call Bell *(AS,CM) 2-76*
Call Signal 2 *(AS,CM) 2-76*
Cause-Effect Graphics *(AS,ET) 4-167*
Clock Communicator *(AS,CI,ET) 1-18*
Com Board *(AS,CI,ET) 1-19*
Communication Programs *(CI,EC,PA) 4-205*
Communiclock *(AS,CI,ET) 1-19*
Compartmentalized Communicator *(AS,CI,ET) 1-20*
Computer Aids for the Blind (21 programs) *(CI,ET,LP,PA,SV,WP) 4-205*
Computer Aids for the Non-Verbal (31 programs) *(CI,CN,DR,ET,LP,PA) 4-206*
Control Unit Model 101 *(AS) 4-17*
Control Unit Model 201 *(AS) 4-17*

Counter Box *(AS)* *4-18*
Counter Module *(AS,ET)* *1-20*
Creature Antics *(ET,GA)* *4-169*
Creature Chorus *(ET)* *4-169*
Delay Timer *(AS,EC,ET)* *1-21*
Dial Scan *(AS,CI,ET)* *1-21*
Dinosaur Game *(ES,ET,GA)* *4-170*
Dual Channel Latching Switch Interface *(AS,EC,ET)* *1-22*
Dual Switch Latch and Timer *(AS,EC,ET)* *1-22*
E-Tran Scanner *(AS,CI,ET)* *1-23*
Electronic Talk Board *(CI,ET,ID,PA)* *4-207*
Environmental Control *(EC)* *2-52*
Environmental Control Program *(EC,PA)* *4-208*
Environmental Control Unit *(AS)* *4-18*
ESAM Learning System *(CI,ET)* *4-171*
ESAM'S Switch Training Program *(ET)* *4-171*
Expanded Keyboards for Speak N' Spell *(EA,ET)* *1-65*
Five Choice Toy Program *(ET)* *4-173*
I Can Talk *(CI,ES,ET,LT)* *3-226*
Interaction Games *(ET,GA)* *4-175*
IntroTalker *(CI,EA,ET)* *4-37*
Invertor Module *(AS)* *4-19*
Keypad *(AS)* *4-19*
Keypad Trainer *(AS)* *4-20*
Lighted Extra Loud Signalling Buzzer *(AS,CM)* *2-79*
Lighted Signalling Buzzer *(AS,CM)* *2-79*
Lighted Vibrating Signalling Buzzer *(AS,ET)* *1-23*
Motor Training Games *(ET,GA)* *4-185*
Multi-Input Selector *(AS,EC,ET)* *1-24*
Multi-Scan *(AS,CI,ET,PA)* *3-329*
Multiswitch Module *(AS)* *4-20*
Nine Volt Battery Adaptor Module *(AS)* *4-21*
Numberswitch *(AS,ET)* *4-186*
Object-Picture Talk Board *(CI,NA)* *4-31*
Omnibox *(ET,ID)* *3-63*
Perceptual Motor Trainer *(AS,ET)* *1-24*
Play and Match *(AS,ET,ID)* *4-187*
Poc-Ett System *(AS,CI,ET)* *1-25*
Point to Pictures Discrimination Kit *(AR,AS,ES,ET)* *3-255*
Puff'N Buzzer Switch *(AS,CM)* *2-81*
Push-On-Push-Off Module *(AS,EC,ET)* *1-25*
Puzzle Switches *(AS)* *4-21*
Rhythm Generator *(AS)* *4-22*
Rockets to the Moon *(ES,ET,GA)* *4-188*
Say-It-Simply Plus *(CI,EA,ET)* *4-39*
Scan & Speak *(CI,ET)* *3-264*
SCANWOLF *(CI,EA)* *1-74*
Sequential Scanner *(AS,CI,ET)* *1-26*
Series Adapter *(AS)* *4-22*
Signal Buzzer *(AS,CM)* *2-82*
SimpleCom I: Yes/No Communication *(CI,ET)* *3-265*
SimpleCom II: Needs/Wants Communication *(CI,ET)* *3-266*
Single Switch Assessment Program *(AS,ET)* *3-181*
Single-Input Assessment Software *(AR,AS,ET)* *3-182*
Small Clock Communicator *(AS,CI,ET)* *1-26*
SonomaVoice *(CI,ET)* *1-27*
Speller Teller *(AS,CI,ET)* *1-27*
Steeper Communication/Teaching Aid *(AS,CI)* *4-23*
STIM-U-LITE *(AS,ES,ET)* *1-28*
Switch Latch *(AS,EC,ET)* *1-28*
Switch Latch *(AS,EC,ET)* *1-29*
Switch Latch/Timer *(AS)* *4-23*
Symbol Training Display *(AS,ET)* *1-29*
Talking Mitt *(CI,NA)* *4-33*
Talking Pictures Series *(CI,ET)* *4-191*
Talking With Your Touch Window *(AS,CI,ET)* *4-192*
Tape-A-Message *(AS,ET,PC)* *1-30*
Target *(AS,CI,ET)* *3-280*
This is the Way We Wash Our Face *(ES,ET)* *4-193*
TIGER Jr. *(CI,EA,NA)* *4-24*
TIGERbook *(ET)* *1-30*
Timer 90-1 *(AS)* *4-24*
Timer and Counter *(AS,EC,ET)* *1-31*
Timer Module *(AS,EC,ET)* *1-31*
Touch & Speak *(CI,ET,PA)* *3-344*
Touch Com *(AS,CI,ET)* *3-183*
Toy Adapter *(AS)* *4-25*
Toy Adapter Cable *(AS,ET)* *1-32*
Toy Cable *(AS,ET)* *1-32*
ToyPAC *(AS,EC,ET,RE)* *1-33*
Training Aid 2 *(AS,EC,ET)* *1-33*
Tri-Responder *(AS,ET)* *1-34*
Variable Position Scanner *(AS,CI,ET)* *1-34*
Versascan *(AS,CI,ET)* *1-35*
Vibrating Sack *(AS,ET)* *1-35*
Voice Mate II *(AS,ET)* *1-36*
Wheels On The Bus *(ES,ET)* *4-195*
WOLF *(CI,EA)* *1-84*
Worm Squirm *(ES,ET)* *4-196*
Zygo Model 16C *(AS,CI,ET)* *1-36*
Zygo Model 20 *(AS,ET)* *1-37*
Zygo Model 21S *(AS,ET)* *1-37*
Zygo Model 4 *(AS,CM)* *2-85*

Vocational {VO}

Software designed to teach or assess vocational skills, to assist in vocational placement, or to manage vocational programs.

Access-Ability Database *(AM,DS)* *4-139*
Audible Career Explorer *(AR,AS)* *3-172*
Automatic Form Writer *(PA,SV)* *3-308*
Computerized Training Systems (CTS): Nuts & Bolts *(ET)* *3-207*
CTS: Electronic Assembly & Soldering *(ET)* *3-210*
Functional Skills Screening Inventory *(AD,AR,AS)* *3-176*
Isabel *(AM,AS,DS)* *4-146*
Job Readiness Series *(AS,ET)* *3-228*
Job Search and Local Job Bank *(AR,AS)* *3-177*
Job Survival Series *(ET)* *3-228*
JOBS System *(AM,AR,AS)* *3-178*
MESA *(AR,AS)* *3-178*
Microcomputer Evaluation of Career Areas (MECA) *(AS)* *3-179*
SAGE System *(AR,AS)* *3-181*
Talking Public Domain Disks *(ET,LS,SV)* *4-191*
VOC Matching and VOC Report *(AM,AR)* *3-163*
Workshop Information Manager *(AM)* *4-155*

Voice Amplifiers {VA}

Small portable audio amplifiers designed to increase the volume of a person's voice. These are products for people with weak or soft speech, not hearing aids or other amplifiers for hearing impaired people.

Amplified Transmitter Handsets *(PC,SA)* *1-3*
CommunicAid *(SA)* *4-3*
Handset for Speech Amplification *(PC,SA)* *1-4*
Park Speech Amplifier *(SA)* *4-4*
Rand Voice Amplifier *(SA)* *1-5*
Voicette *(SA)* *1-6*

Word Processing (Writing) {WP}

Software or aids which has specific features designed for writing, storing, retrieving and editing text. Simple programs that allow the user to compose text but not to store, edit and manipulate it do not qualify as word processing programs. This code only includes programs or devices especially designed for disabled computer users. Special input and output systems (See Alternate Inputs and Alternate Display Systems, above) can be used to gain access to standard commercial word processing programs.

AARON *(CI,PA)* *3-307*
Abbreviation/Expansion *(KM,PA)* *4-203*
BEX *(BR,LP,PA,SV)* *3-309*
Cacti Word Processor *(KM,PA)* *3-311*
CHPI Apple Tool Kit *(BR,KM,PA,TL)* *3-312*

Index 1: Products Listed by FUNCTION

Classy Letterheads - Speak! *(LP,PA,SV) 3-313*
Communicator *(PA) 3-314*
Computer Aids for the Blind (21 programs)
  (CI,ET,LP,PA,SV,TR) 4-205
Computerized Enabling System *(CI,EC,PA,PC) 3-315*
DART-5000 *(TI) 3-26*
Dynaread *(PA) 4-206*
EDACTS Keyboard *(CI,EC,TI) 3-27*
Freedom Writer *(PA) 4-208*
Keyboarding For The Dyslexic *(ET,KB,LS) 3-230*
Keyboarding for the Visually Limited *(ET,KB,LP) 3-231*
Keyboarding with One Hand *(ET,KB) 3-232*
Keynote *(PA,PW,SV,TL,TO) 3-88*
Kid Talk *(ES,ET,PA,SV) 3-322*
Kidsword *(ET,LP) 4-178*
Large Print Word Processor *(LP,PA) 3-323*
Large Type *(LP,PA) 3-323*
Listen to Learn *(ET,LS) 3-238*
Living Center III *(CI,CN,EA,EC,RE) 1-69*
LoVE *(LP,PA,SV) 3-325*
Low Vision Editor (LVE) *(LP,PA) 4-210*
Mac-Apple Communication Aid *(CI,CN,DR,ES,ET,PA) 3-325*
Magic Slate *(ET,LP,LS,PA) 3-239*
Megaword *(LP,PA) 4-210*
Micro Braille *(BR,PA) 3-327*
Microbrailler 2400 *(BD,BR,PW,TO) 3-107*
MindReader *(PA) 4-211*
Morser *(PA) 3-328*
MultiScribe *(LP,PA) 3-329*
PACA (Portable Anticipatory Communication Aid)
  (CI,CN,EA,PW) 1-71
Phonics, Text, and Graphics *(DR,ET,RE) 3-252*
Prompt-Writer *(KM,PA,SV) 3-331*
ProWORDS *(PA,SV) 3-332*
Quad-Independence Typewriter-Printer System *(EA,KM) 1-73*
Quick Textfile Converter (QTC) *(BR,PA) 4-212*
Small Talk *(CI,CN,PW,SV,TO) 1-75*
Speech Writer *(PA,SV) 3-336*
Talker *(PA,SV) 3-338*
Talking 100 *(CI,EA,PC,PW) 1-78*
Talking Apple Literacy Kit *(ET,GA,KB) 3-277*
Talking Text Writer *(ET,LS,SV) 3-279*
Talking Wheelchair *(CI,GA,PA,RE) 3-340*
Talking Writer & Four Games *(ET,KB,LP,PA,SV) 3-341*
Telewriter *(CI,TD,TL) 1-98*
Textalk *(LP,PA,SV) 3-343*
Textwriter 2.0 *(PA,SV) 3-343*
TIM *(CI,EA,PW) 1-79*
Touch Window *(DR,DS,ID,RE) 3-65*
TranscriBEX *(BR,PA) 4-215*
Transcription Station *(BR,PA) 4-215*
Travel Talk *(CN,PW,SV,TO) 4-115*
Trine System (ACS) *(CI,EA,PW,TI,TW) 1-80*
Trine System (Words+) *(CI,EA,PW,TI,TW) 1-81*
VERBal STAR *(PA,SV) 3-347*
VersaBraille *(BD,BR,PA) 3-111*
VIC-20 Scanner *(CI,PA) 3-347*
Viewscan Text System *(CN,LP,PA,PW,TE,TO) 3-100*
Word-Talk *(PA,SV) 3-348*
Wordease *(LP,PA) 4-217*
Words-to-Voice *(SV,TO) 3-101*
Zygo Notebook *(CI,EA,PW) 1-85*

Index 2

Products Listed by Input/Output Feature

This index includes lists of products (except switches) according to Input and Output Features considered useful in a search. Each list includes any product in the books with that feature. Products are arranged alphabetically within each list. The function codes assigned to that product follow in parentheses. Switches are listed separately in Index 3.

For example, if you are looking for a word processing program with both large print and synthesized speech output, you would go to the list titled 'Output Display: Large Print'. As you look through the list you would note those products with the function codes WP (word processing) and SV (screen display to voice). By searching in this manner you would identify five programs that meet the function/feature criteria. You would then go to the individual product descriptions to check on the type of computer, age appropriateness, additional features, etc. Once the search has been narrowed, the manufacturer would be called for up-to-date information on the product.

Index 2: Products Listed by INPUT/OUTPUT FEATURE

The following is the order of the Features by which products in this index are listed:

Input Expand/Accel: Abbreviation Expansion {IEA}
Input Expand/Accel: Encoding (Chart or Memory Based) {IEE}
Input Expand/Accel: Levels or Pages {IEL}
Input Expand/Accel: Morse {IEM}
Input Expand/Accel: Predictive {IEP}

Input Method: Directed Scanning {IMX}
Input Method: Scanning {IMS}

Input Symbol System: Auditory Presentation (eg Auditory Scanning) {ISH}
Input Symbol System: Bliss Symbols {ISS}
Input Symbol System: Photos/Pictures/Line Drawings {ISP}
Input Symbol System: User Selectable Symbols {ISU}
Input Symbol System: Whole Words {ISW}

Input Type: Air (Sip/Puff) {ITA}
Input Type: Contact (Zero Pressure) {ITC}
Input Type: Eye Movement and Eye Gaze {ITE}
Input Type: Head Controlled {ITH}
Input Type: Input Jack - Accepts Any Switch {ITI}
Input Type: Joystick/Wobblestick {ITJ}
Input Type: Light Sensitive (Optical) {ITL}
Input Type: Movement Activated {ITM}
Input Type: Noise (Sound or Vocalization) {ITN}
Input Type: OCR (Optical Character Recognition) {ITO}
Input Type: Pressure Sensitive {ITP}
Input Type: Speech Recognition {ITS}
Input Type: Wireless {ITW}

Output/Display: Braille Printer {ODB}
Output/Display: Deaf Baudot (for TDD's) {ODD}
Output/Display: Ideographic/Pictographic Symbols {ODI}
Output/Display: Large Print {ODL}
Output/Display: Modem (ASCII) {ODM}
Output/Display: Speech Output {ODS}
Output/Display: Tactile/Braille Display (Dynamic) {ODT}
Relative Emulating Outputs (Mouse and Trackball Emulators) {ODR}

Switch Inputs: Uses Analog Control {SIA}
Switch Inputs: Uses Dual Switch {SI2}
Switch Inputs: Uses Joystick (4 or 5 Switches) {SIJ}
Switch Inputs: Uses Multiple Switches (3 to 16 Switches) {SIM}
Switch Inputs: Uses Single Switch {SI1}

The following is a list of the Function codes which may appear in parentheses after items in this index:

AD	Activities of Daily Living
AL	Artificial Larynx
AM	Administration or Management
AP	Authoring Program
AR	Analysis or Reporting Software
AS	Assessment (Evaluation)
BD	Braille Printer or Tactile Display Component
BP	Book/Paper Handling
BR	Braille
CI	Conversation/Interaction
CM	Call, Monitoring, or Memory System
CN	Calculation/Math Aid
CR	Cognitive Rehabilitation
DR	Drawing
DS	Database Management/Spreadsheet
EA	Electronic Communication or Writing Aid
EC	Environmental Control
ES	Early Skills (Pre-Reading)
ET	Education, Training, or Therapy
GA	Game
IA	Input Adapter for Computer
ID	Input Device Usable with Only Some Software
IE	IEP or IPP
KB	Keyboarding Training Program
KE	Keyboard Emulating Interface
KG	Keyguard
KM	Modification for Standard Keyboard
LP	Large Print Output
LR	Lipreading (Speech Reading)
LS	Later Skills (Includes Reading)
LT	Language Therapy/Development
MT	Mouse or Touch Pad Emulation
NA	Non-Electronic Communication Aid
PA	Personal Tool or Aid (for Speaking, Writing, Drawing, Controlling, etc.)
PC	Phone Control/Access
PT	Pointing or Typing Aid
PW	Portable Writing
RE	Recreation
SA	Speech Aid
SI	Signing
SS	Speech Synthesizer
ST	Speech Therapy (not Language Therapy)
SV	Screen (Display) to Voice
TD	Telecommunication Device for the Deaf (TDD)
TE	Terminal Emulator (Special Only)
TI	Alternate Input Usable with All Software
TL	Telecommunication
TO	Alternate Display System Usable with All Software
TR	Training or Communication Initiation Aid
TW	Alternate Input Adaptable for Use with All Software (Transparent With)
VA	Voice Amplifier
VO	Vocational
WP	Word Processing (Writing)

Input Expand/Accel: Abbreviation Expansion {IEA}

System whereby the user types a short series of characters (letters, numbers, etc.) and this short series of characters (the abbreviation) triggers a longer series of characters (the expansion). Sometimes known as a "macro".

AARON *(CI,PA,WP) 3-307*
Abbreviation/Expansion *(KM,PA,WP) 4-203*
ACES *(AS,ET) 3-171*
ACS Medicom Computer System *(CI,EC,PC,TI,TL) 3-23*
Adaptive Firmware Card *(IA,KE,KM,TI) 3-24*
Adaptive Firmware Card Model G32 *(IA,KE,KM,TI) 4-81*
E Z Keys *(KM) 4-75*
E Z Talker *(CI,EA,KM,PA) 4-207*
echoBOX *(KM,TI) 4-83*
EXPAND *(TI,TW) 3-29*
Express 3 *(CI,EA,EC,PW,TI,TW) 1-65*
EyeTyper 300 *(CI,EA,EC,PW,TI) 4-37*
EyeTyper Model 200 *(CI,EA,EC,PW,TI) 1-66*
ICOMM *(CI,EA,PW,TI,TW) 1-68*
Keyworks *(KM) 3-37*
Lifestyle Personal Communicator *(CI,CN,PC,TD,TL) 1-91*
Light Talker *(CI,EA,EC,PW,TI,TW) 1-68*
MacroWorks *(KM) 3-14*
PC AID *(TI) 3-41*
PC Serial AID *(KM,TI) 3-42*
PhotoPAC/EvalPAC *(AS,CI,EA,EC,ET,PW,TI) 1-71*
Portable Voice II *(CI,EA,PW) 1-72*
PRD+ *(KM) 4-77*
ProKey *(KM) 3-17*
ProTERM *(SV,TE,TO) 3-94*
Q.E.D. Scribe *(CI,EA,KG,PW) 4-38*
QuickWord *(KM) 3-45*
ScanPAC/Epson *(CI,CN,EA,EC,PW,TI,TW) 1-74*
Smartkey *(KM) 3-18*
Software Simulations of Communication Prostheses
    (AS,CI,ET) 3-182
SpeechAid *(CI,EA,PW,TI,TW) 1-76*
SpeechPAC/Epson *(CI,EA,EC,PW,TI,TW) 1-76*
SuperKey *(KM) 3-19*
Talking 100 Communicator *(CI,EA) 1-78*
Tempo *(KM) 4-77*
Touch Talker *(CI,EA,EC,PW,TI,TW) 1-80*
Trine System (ACS) *(CI,EA,PW,TI,TW,WP) 1-80*
Trine System (Words+) *(CI,EA,PW,TI,TW,WP) 1-81*
Turbo Select *(CI,EC,KM,MT,TI) 4-93*
V.P. *(SV,TO) 3-99*
Verbal Operating System *(KM,SV,TO) 4-116*
Voice Communications System *(PC,TI) 3-54*
XtraKey *(KM) 3-20*
Zygo Notebook *(CI,EA,PW,WP) 1-85*

Input Expand/Accel: Encoding (Chart or Memory Based) {IEE}

A system for allowing the number of possible selections to be greater than the number of selection areas (such as keys on keyboard). The user enters a code (often a series of digits) in order to make a selection. A communication aid with a ten-key keyboard, for example, could be used to access 1000 items of vocabulary, each with a three-digit code.

ACES *(AS,ET) 3-171*
Apple Demo Disk *(AS,ET) 3-190*
Canon Communicator M *(CI,EA,PW,TI,TW) 1-63*
Elementary MOD Keyboard System *(CI,ET,LP,TI) 3-28*
Light Talker *(CI,EA,EC,PW,TI,TW) 1-68*
Message Maker *(CI,PA) 3-327*
Minspeak 1 *(CI,EA,EC,PW,TI,TW) 1-70*
MOD Keyboard System *(CI,TI,TW) 3-40*
Quick Talk *(CI,PA,PC) 3-332*
RIC Easy Talker *(CI,PA) 3-333*
Software Simulations of Communication Prostheses
    (AS,CI,ET) 3-182
Talk II *(CI,PA) 3-337*
Talking Wheelchair *(CI,GA,PA,RE,WP) 3-340*
Touch Talker *(CI,EA,EC,PW,TI,TW) 1-80*
VOIS 140 *(CI,EA) 1-83*
VOIS 150 *(CI,EA) 1-84*
Word Communication *(CI,PA) 3-348*

Input Expand/Accel: Levels or Pages {IEL}

A system for allowing the number of possible selections to be greater than the number of selection areas (such as keys on a keyboard). The system has a number of different meanings for each key, depending upon the "level" (or "page") active. To make a selection, the user picks the desired level and the desired key.

ACES *(AS,ET) 3-171*
Electronic Talk Board *(CI,ET,ID,PA,TR) 4-207*
Equalizer *(CI,DR,EA,PW,RE,TI,TW) 1-64*
ESAM Learning System *(CI,ET,TR) 4-171*
Handi-Writer Version 3.51 *(CI,PA) 3-320*
IntroTalker *(CI,EA,ET,TR) 4-37*
Light Talker *(CI,EA,EC,PW,TI,TW) 1-68*
Prism Communication Tray *(CI,ET,NA) 1-55*
Rescue Speech System *(CI,EA,EC,PW) 4-38*
Say It *(CI,PA) 3-334*
Say-It-All II and II Plus *(CI,EA,KG,PW) 4-39*
SCANWOLF *(CI,EA,TR) 1-74*
Software Simulations of Communication Prostheses
    (AS,CI,ET) 3-182
SonomaVoice *(CI,ET,TR) 1-27*
Special Friend Speech Prosthesis *(CI,EA) 1-75*
Talker II *(CI,EA,KG,PW) 4-40*
Talking Word Board *(CI,PA) 3-341*
Target *(AS,CI,ET,TR) 3-280*
TIM *(CI,EA,PW,WP) 1-79*
Timothy Communications Package *(CI,EA,PW) 1-79*
Touch & Speak *(CI,ET,PA,TR) 3-344*
Touch Com *(AS,CI,ET,TR) 3-183*
Touch Talker *(CI,EA,EC,PW,TI,TW) 1-80*
VOIS 130 *(CI,EA) 1-82*
VOIS 135 *(CI,EA) 1-83*
VOIS 136 *(CI,EA,TW) 4-41*
WOLF *(CI,EA,TR) 1-84*
Zygo scanWRITER *(CI,EA,EC,PW,TI,TW) 1-86*
Zygo TETRAscan II *(TI) 3-57*

Input Expand/Accel: Morse {IEM}

System where the user indicates selections by Morse code. "Dot and dash" patterns are assigned to each possible choice. Frequently done with one or two switches.

Access-Ability *(TI) 3-23*
ACES *(AS,ET) 3-171*
Adaptive Firmware Card *(IA,KE,KM,TI) 3-24*
Adaptive Firmware Card Model G32 *(IA,KE,KM,TI) 4-81*
Computer Aids for the Blind (21 programs)
    (CI,ET,LP,PA,SV,TR,WP) 4-205
Deuce *(EC,PC,TW) 2-48*
EZMorse Keyboard Emulator *(TI) 3-44*
EZmorse Tutorial *(ET) 4-172*
ICOMM *(CI,EA,PW,TI,TW) 1-68*
Math Disk *(CN,ET) 3-240*
Morse Code & Scanning Practice Programs *(ET,GA,RE) 3-247*
Morse Code Drills *(ET) 3-248*
Morse Code Training *(ET) 4-184*
Morse-Code Based Keyboard Emulator *(TI) 3-40*
Morser *(PA,WP) 3-328*
PC AID *(TI) 3-41*
PC Morse Code *(ET) 3-251*
Phonics, Text, and Graphics *(DR,ET,RE,WP) 3-252*
PhotoPAC/EvalPAC *(AS,CI,EA,EC,ET,PW,TI) 1-71*
Portable Voice II *(CI,EA,PW) 1-72*
Special Inputs Disk *(AS,ET,KM,TI) 3-47*

Turbo Select *(CI,EC,KM,MT,TI) 4-93*
Words+ Software Keyboard Emulator (WSKE) *(TI) 4-95*

Input Expand/Accel: Predictive {IEP}

A system that predicts what character the user will type next. A typical predictive system will provide the user with possible completions of a word that the user has begun typing. If the correct word appears, the user can immediately select it, and need not finish typing it.

ACES *(AS,ET) 3-171*
Comm-Prog *(CI,PA) 3-313*
E Z Keys *(KM) 4-75*
E Z Talker *(CI,EA,KM,PA) 4-207*
Equalizer *(CI,DR,EA,PW,RE,TI,TW) 1-64*
Living Center III *(CI,CN,EA,EC,RE,WP) 1-69*
MindReader *(PA,WP) 4-211*
PACA (Portable Anticipatory Communication Aid) *(CI,CN,EA,PW,WP) 1-71*

Input Method: Directed Scanning {IMX}

Scanning systems using a row-and-column grid of choices, with a directional control (such as a joystick). The user can move in any desired direction to arrive at a selection.

ACES *(AS,ET) 3-171*
Adaptive Firmware Card *(IA,KE,KM,TI) 3-24*
Adaptive Firmware Card Model G32 *(IA,KE,KM,TI) 4-81*
Computer Entry Terminal *(TI) 3-25*
Computer Entry Terminal II *(TI) 4-81*
Easy Programmer *(PA) 3-317*
Elementary MOD Keyboard System *(CI,ET,LP,TI) 3-28*
Enable Writer *(TI) 3-28*
Express 3 *(CI,EA,EC,PW,TI,TW) 1-65*
Joywriter *(LP,PA) 3-322*
Light Talker *(CI,EA,EC,PW,TI,TW) 1-68*
MOD Keyboard System *(CI,TI,TW) 3-40*
PhotoPAC/EvalPAC *(AS,CI,EA,EC,ET,PW,TI) 1-71*
Proportional Keystroke Scanner *(TI) 4-90*
ScanPAC/Epson *(CI,CN,EA,EC,PW,TI,TW) 1-74*
Switchboard *(CI,EA,ET) 1-77*
Turbo Select *(CI,EC,KM,MT,TI) 4-93*
Word Communication *(CI,PA) 3-348*
X-10 Powerhouse Computer Interface *(EC,PA) 3-349*

Input Method: Scanning {IMS}

A selection technique whereby choices are presented to the user sequentially, and the user indicates when the right choice is arrived at-usually by activating a switch. To indicate choices, the scanning system may have a clock hand, a series of lights that light sequentially, or (on a computer screen) a moving cursor. Scanning may employ one, two or more switches, and may be done with a variety of techniques (automatic, row-and-column, etc.).

AARON *(CI,PA,WP) 3-307*
Academics with Scanning: Language Arts *(ET,LS) 3-188*
Academics with Scanning: Math *(CN,ET) 3-188*
ACES *(AS,ET) 3-171*
Adaptive Firmware Card *(IA,KE,KM,TI) 3-24*
Adaptive Firmware Card Model G32 *(IA,KE,KM,TI) 4-81*
ALTKEY *(TI) 3-24*
Apple Demo Disk *(AS,ET) 3-190*
Appliance Genie *(AS,EC,ET,PA) 3-307*
Arcademic Skill Builders In Math: Set-Ups for the AFC *(ET) 4-133*
Audible Cursor Routine *(CI,PA,TR) 4-204*
Audio Scan *(CI,PA) 3-308*
B-H Communicator *(CI,NA) 4-29*
Blisspen *(ET,LS) 3-193*
Blissymbolics: Bliss Drills *(ES,ET) 3-194*
Blissymbolics: Blissboard *(CI,ET,PA) 3-310*
Blissymbolics: Blissymbol Concepts *(ES,ET) 3-194*
Brunswick Hospital Cognitive Assessment & Retraining *(AS,CR,ET) 4-166*
Catch the Cow *(AS,ET) 3-173*
Choice Maker I *(AR,ES,ET) 3-198*
Clock Communicator *(AS,CI,ET,TR) 1-18*
Com Board *(AS,CI,ET,TR) 1-19*
Comm-Prog *(CI,PA) 3-313*
Communication Programs *(CI,EC,PA,TR) 4-205*
Communicator *(PA,WP) 3-314*
Communiclock *(AS,CI,ET,TR) 1-19*
Compartmentalized Communicator *(AS,CI,ET,TR) 1-20*
Compudapter *(TI) 3-25*
Computer Aids for the Blind (21 programs) *(CI,ET,LP,PA,SV,TR,WP) 4-205*
Computer Aids for the Non-Verbal (31 programs) *(CI,CN,DR,ET,LP,PA,TR) 4-206*
Computer Entry Terminal *(TI) 3-25*
Computer Entry Terminal II *(TI) 4-81*
Computerized Enabling System *(CI,EC,PA,PC,WP) 3-315*
Control 1 *(EC,PC) 2-47*
Counting Critters *(CN,ES,ET) 3-209*
Deuce *(EC,PC,TW) 2-48*
Dial Scan *(AS,CI,ET,TR) 1-21*
Dinosaur Game *(ES,ET,GA,TR) 4-170*
E-Tran Scanner *(AS,CI,ET,TR) 1-23*
Easicorder *(EC) 2-51*
Elementary MOD Keyboard System *(CI,ET,LP,TI) 3-28*
Encoscan *(EC) 4-62*
Equalizer *(CI,DR,EA,PW,RE,TI,TW) 1-64*
ESAM Learning System *(CI,ET,TR) 4-171*
Express 3 *(CI,EA,EC,PW,TI,TW) 1-65*
EZBAS *(CI) 3-132*
EZRA *(CI,CM,EC,PC) 2-54*
Fast Access Scan Talker *(CI,PA) 3-318*
First Categories *(ES,ET,LS,LT) 3-218*
First Verbs *(ES,ET,LT) 3-219*
First Words *(ES,ET,LT) 3-219*
First Words II *(ES,ET,LT) 3-220*
Flexcom *(CI,EA,EC) 1-67*
Florida Scanner *(AP) 3-134*
Handi-Routine *(AP) 3-135*
Handi-Writer Version 3.51 *(CI,PA) 3-320*
I Can Talk *(CI,ES,ET,LT,TR) 3-226*
ICOMM *(CI,EA,PW,TI,TW) 1-68*
Interaction Games *(ET,GA,TR) 4-175*
Joywriter *(LP,PA) 3-322*
Kennedy Switch Key Software *(CI,ET,TI) 3-136*
Kincontrol *(EC) 4-62*
Language L.A.B. *(AP,AR,ES,ET,LT) 3-234*
Light Talker *(CI,EA,EC,PW,TI,TW) 1-68*
Living Center III *(CI,CN,EA,EC,RE,WP) 1-69*
Mac-Apple Communication Aid *(CI,CN,DR,ES,ET,PA,WP) 3-325*
Magic Cymbals *(CI,PA) 3-326*
Math Disk *(CN,ET) 3-240*
Math Scan *(CN,ET) 3-241*
MECCA *(EC,PC) 2-57*
Message Maker *(CI,PA) 3-327*
Micro-LADS *(AS,ET,LT) 3-179*
MicroDEC II *(CM,EC,PC) 2-57*
MOD Keyboard System *(CI,TI,TW) 3-40*
Money Skills *(AD,CN,ET,LS) 4-184*
Morse Code & Scanning Practice Programs *(ET,GA,RE) 3-247*
Motor Training Games *(ET,GA,TR) 4-185*
Motor Training Games *(AS,ET,GA,RE) 3-301*
Multi-Scan *(AS,CI,ET,PA,TR) 3-329*
Omnibox *(ET,ID,TR) 3-63*
PACA (Portable Anticipatory Communication Aid) *(CI,CN,EA,PW,WP) 1-71*
PC AID *(TI) 3-41*
PC Serial AID *(KM,TI) 3-42*
Phonics, Text, and Graphics *(DR,ET,RE,WP) 3-252*
PhotoPAC/EvalPAC *(AS,CI,EA,EC,ET,PW,TI) 1-71*
PIC Man *(DR,ET,RE) 3-302*
Picture Communication *(CI,ET,PA) 3-331*

Poc-Ett System *(AS,CI,ET,TR) 1-25*
Portable Voice II *(CI,EA,PW) 1-72*
Rabbit Scanner *(AS,ES,ET) 3-260*
Rescue Speech System *(CI,EA,EC,PW) 4-38*
RIC Easy Talker *(CI,PA) 3-333*
Rockets to the Moon *(ES,ET,GA,TR) 4-188*
Say It *(CI,PA) 3-334*
Scan & Speak *(CI,ET,TR) 3-264*
Scanning Console ECS-8 *(EC) 4-63*
Scanning Conversion Program *(AP) 3-141*
Scanning Remote Control (SRC) *(EC) 4-64*
ScanPAC/Epson *(CI,CN,EA,EC,PW,TI,TW) 1-74*
SCANWOLF *(CI,EA,TR) 1-74*
Sentence-Scan *(CI,ET,PA) 3-334*
Sequential Scanner *(AS,CI,ET,TR) 1-26*
Single Switch Game Library *(ET,GA,RE) 3-303*
Single-Input Assessment Software *(AR,AS,ET,TR) 3-182*
Small Clock Communicator *(AS,CI,ET,TR) 1-26*
Software Simulations of Communication Prostheses *(AS,CI,ET) 3-182*
Special Friend Speech Prosthesis *(CI,EA) 1-75*
Special Inputs Disk *(AS,ET,KM,TI) 3-47*
Special Needs Volume 1 - Spelling *(ET,LS) 3-269*
Special Needs Volume 2 - Simulations & Drills *(CN,ET,LS) 3-270*
Speller Teller *(AS,CI,ET,TR) 1-27*
Steeper Communication/Teaching Aid *(AS,CI,TR) 4-23*
Sunny Days *(ET,LS) 3-274*
Switchboard *(CI,EA,ET) 1-77*
Symbol Writer *(AS,ES,ET,GA) 3-276*
TAG: Talking Animated Graphics *(ES,ET) 3-276*
Talk II *(CI,PA) 3-337*
Talker Communication Program *(CI,PA) 4-214*
Talking 100 Communicator *(CI,EA) 1-78*
Talking Aid *(CI,PA) 3-338*
Talking BlissApple *(CI,ET,PA) 3-339*
Talking Scanner *(ET,SV) 3-279*
Target *(AS,CI,ET,TR) 3-280*
Television Channel Selector *(EC) 2-66*
TIM *(CI,EA,PW,WP) 1-79*
Timothy Communications Package *(CI,EA,PW) 1-79*
TOSC-2 Environmental Control System *(CM,EC,PC) 2-67*
Toy Scanner *(AR,AS,ET) 3-284*
ToyPAC *(AS,EC,ET,RE,TR) 1-33*
Turbo Select *(CI,EC,KM,MT,TI) 4-93*
TV Converter Model 4020 *(EC) 4-65*
TVRC and TVSRC *(EC) 4-65*
Variable Position Scanner *(AS,CI,ET,TR) 1-34*
Versascan *(AS,CI,ET,TR) 1-35*
VIC-20 Scanner *(CI,PA,WP) 3-347*
Visual/Perceptual Diagnostic Testing & Training Progs. *(AR,AS,CR,ES,ET) 3-184*
VOIS 150 *(CI,EA) 1-84*
Ways to Play *(ET,GA,RE) 3-293*
Word Communication *(CI,PA) 3-348*
Words+ Software Keyboard Emulator (WSKE) *(TI) 4-95*
X-10 System *(EC) 2-71*
Zygo Model 100 *(CI,EA,ET,PW,TI,TW) 1-85*
Zygo Model 16C *(AS,CI,ET,TR) 1-36*
Zygo scanWRITER *(CI,EA,EC,PW,TI,TW) 1-86*
Zygo TETRAscan II *(TI) 3-57*

Input Symbol System: Auditory Presentation (eg Auditory Scanning) {ISH}

A system which presents the user with a series of choices auditorially (for instance spoken by a speech synthesizer). When the system arrives at the desired choice the user indicates it (usually with a switch).

Audible Cursor Routine *(CI,PA,TR) 4-204*
Audio Scan *(CI,PA) 3-308*
Letter Find *(CN,ES,ET,KB,SV) 3-236*
RIC Easy Talker *(CI,PA) 3-333*
Say It *(CI,PA) 3-334*
Sight Word Spelling *(ET,LS,SV) 3-265*
Talking Scanner *(ET,SV) 3-279*

Input Symbol System: Bliss Symbols {ISS}

A special set of international pictographic symbols.

Bliss Skills *(ET,TR) 4-165*
Blisspen *(ET,LS) 3-193*
Blissymbol Templates *(NA) 4-29*
Blissymbol Vocabulary Stamps *(CI,ET,NA) 1-41*
Blissymbolics: Bliss Drills *(ES,ET) 3-194*
Blissymbolics: Bliss Library *(AP,PA) 3-309*
Blissymbolics: Blissboard *(CI,ET,PA) 3-310*
Blissymbolics: Blissymbol Concepts *(ES,ET) 3-194*
Core Vocabulary *(CI,NA) 4-30*
PIC Man *(DR,ET,RE) 3-302*
Picture Communication *(CI,ET,PA) 3-331*
Picture Your Blissymbols *(CI,ET,NA) 1-52*
Talking BlissApple *(CI,ET,PA) 3-339*
Ten Key Board *(TI) 3-64*

Input Symbol System: Photos/Pictures/Line Drawings {ISP}

A system which depends upon this type of symbol extensively enough that the user does not have to understand any other system (such as the alphabet).

Appliance Genie *(AS,EC,ET,PA) 3-307*
Bear Jam *(ES,ET) 3-193*
Breakthrough to Language *(CR,ET,LT) 4-166*
Brighter Pathways Communication Symbols and Grids *(CI,ET,NA) 1-41*
Cause-Effect Graphics *(AS,ET,TR) 4-167*
Choice Board *(AS,ET,NA) 1-42*
Cleo Communication Board *(CI,NA) 1-42*
Communication Sheets *(CI,ET,NA) 1-44*
Computer Graphics for the Photo Articulation Test *(AS,ST) 4-159*
Core Picture Vocabulary *(CI,ET,NA) 1-44*
Dinosaur Game *(ES,ET,GA,TR) 4-170*
ESAM Learning System *(CI,ET,TR) 4-171*
Exploratory Play *(ES,ET,LT) 3-214*
EyeTyper *(CI,EA,EC,TI) 1-66*
Fast Food Passport *(CI,NA) 4-30*
Foto Series *(ET,NA) 1-47*
Help Me to Help Myself *(CI,ET,NA) 1-47*
I Can Talk *(CI,ES,ET,LT,TR) 3-226*
Interaction Games *(ET,GA,TR) 4-175*
Language L.A.B. *(AP,AR,ES,ET,LT) 3-234*
Life Experiences Communication Kit *(CI,ET,NA) 1-48*
Magic Cymbals *(CI,PA) 3-326*
Motor Training Games *(ET,GA,TR) 4-185*
My Book *(DR,ES,ET) 4-185*
Numberswitch *(AS,ET,TR) 4-186*
Oakland Schools Picture Dictionary *(CI,ET,NA) 1-49*
Opticommunicator *(CI,ET,NA) 1-50*
Pick 'N Stick Color Packs *(NA) 4-31*
PICSYMS Categorical Dictionary *(CI,ET,NA) 1-51*
Pictogram Ideogram Communication (PIC) *(CI,ET,NA) 1-51*
Picture Communication *(CI,ET,PA) 3-331*
Pictures, Please! *(CI,ET,NA) 1-53*
Play and Match *(AS,ET,ID,TR) 4-187*
Point to Pictures Development Kit *(AP,AR,AS,ES,ET) 3-255*
Point to Pictures Discrimination Kit *(AR,AS,ES,ET,TR) 3-255*
Point to Pictures Lesson Plan Masters *(ES,ET) 3-256*
Practice Communication Cards *(AS,CI,ET,NA) 1-55*
Representational Play *(ES,ET,LT) 3-263*
Rockets to the Moon *(ES,ET,GA,TR) 4-188*
Self-Talk *(CI,NA) 4-33*
SimpleCom II: Needs/Wants Communication *(CI,ET,TR) 3-266*

Speller Teller *(AS,CI,ET,TR) 1-27*
Talking Paddles *(CI,ET,NA) 1-56*
Talking Pictures Communication Board *(CI,ET,NA) 1-57*
Talking Pictures, Kits I, II, and III *(CI,ET,NA) 1-57*
Talking With Your Touch Window *(AS,CI,ET,TR) 4-192*
This is the Way We Wash Our Face *(ES,ET,TR) 4-193*
TIGER Jr. *(CI,EA,NA,TR) 4-24*
Touch 'N Talk Communication Stickers *(CI,ET,NA) 1-59*
Touch 'N Talk Micros *(CI,ET,NA) 1-59*
Tri-Responder *(AS,ET,TR) 1-34*
Unipix *(CI,ET,NA) 1-60*
Vocaid *(CI,EA) 1-82*
Wheels On The Bus *(ES,ET,TR) 4-195*
Worm Squirm *(ES,ET,TR) 4-196*

Input Symbol System: User Selectable Symbols {ISU}

Any system where users can select, create, and use their own set of symbols.

ACES *(AS,ET) 3-171*
Activity Board *(AS,EC,TR) 1-16*
AllTalk *(CI,EA,ET,TR) 1-63*
Choice Board *(AS,ET,NA) 1-42*
Clock Communicator *(AS,CI,ET,TR) 1-18*
Com Board *(AS,CI,ET,TR) 1-19*
Communication Binder *(CI,NA) 1-43*
Communication Folder *(CI,NA) 1-43*
Communiclock *(AS,CI,ET,TR) 1-19*
Compartmentalized Communicator *(AS,CI,ET,TR) 1-20*
Control Without Keyboards *(AS,CI,ET,PA) 3-315*
Dial Scan *(AS,CI,ET,TR) 1-21*
Electronic Talk Board *(CI,ET,ID,PA,TR) 4-207*
Expanded Keyboards for the Adaptive Firmware Cards *(TI) 3-30*
Expanded Keyboards for the Talking BlissApple *(KG,TI) 3-31*
Express 3 *(CI,EA,EC,PW,TI,TW) 1-65*
Eye Transfer Communication System *(CI,ET,NA) 1-45*
Eye-Com Board *(CI,ET,NA) 1-46*
EyeTyper *(CI,EA,EC,TI) 1-66*
EyeTyper 300 *(CI,EA,EC,PW,TI) 4-37*
EyeTyper Model 200 *(CI,EA,EC,PW,TI) 1-66*
Flexcom *(CI,EA,EC) 1-67*
Fold-It System *(CI,NA) 1-46*
Individualized Communication Systems *(CI,ET,NA) 1-48*
IntroTalker *(CI,EA,ET,TR) 4-37*
Keyboard Emulator *(TI) 3-35*
Keypad *(AS,TR) 4-19*
Keyport 300 *(TI) 3-36*
Keyport 60 *(TI) 3-36*
King Keyboard *(TI) 3-37*
Light Talker *(CI,EA,EC,PW,TI,TW) 1-68*
Logo TouchTools for the PowerPad *(AS,ES,ET) 3-239*
Mini Talking Card Reader *(CI,EA,ET) 1-70*
Minspeak 1 *(CI,EA,EC,PW,TI,TW) 1-70*
Opticommunicator *(CI,ET,NA) 1-50*
PhotoPAC/EvalPAC *(AS,CI,EA,EC,ET,PW,TI) 1-71*
PIC Word Board *(CI,ET,NA) 1-50*
Poc-Ett System *(AS,CI,ET,TR) 1-25*
Pocket Picture Holder *(NA) 4-32*
Pocket-Sized Communication Book *(CI,NA) 1-53*
Porta Book *(CI,NA) 1-54*
Portable Communication Boards *(CI,NA) 1-54*
Portable Voice II *(CI,EA,PW) 1-72*
PowerPad *(DR,ID,RE) 3-64*
Powerpad Starter Kit for IBM-PC *(TI) 4-90*
Pressure Sensitive Expanded Keyboard *(TI) 3-43*
Prism Communication Tray *(CI,ET,NA) 1-55*
Say-It-All II and II Plus *(CI,EA,KG,PW) 4-39*
Say-It-Simply Plus *(CI,EA,ET,TR) 4-39*
Scan & Speak *(CI,ET,TR) 3-264*
ScanPAC/Epson *(CI,CN,EA,EC,PW,TI,TW) 1-74*
SCANWOLF *(CI,EA,TR) 1-74*
Sequential Scanner *(AS,CI,ET,TR) 1-26*
SimpleCom I: Yes/No Communication *(CI,ET,TR) 3-265*
Small Clock Communicator *(AS,CI,ET,TR) 1-26*
Software Simulations of Communication Prostheses *(AS,CI,ET) 3-182*
SpeechPad *(CI,EA) 1-77*
Speller Teller *(AS,CI,ET,TR) 1-27*
Steeper Communication/Teaching Aid *(AS,CI,TR) 4-23*
Switchboard *(CI,EA,ET) 1-77*
Symbol Training Display *(AS,ET,TR) 1-29*
Talker II *(CI,EA,KG,PW) 4-40*
Talking Paddles *(CI,ET,NA) 1-56*
Talking Pictures Communication Board *(CI,ET,NA) 1-57*
Talking Word Board *(CI,PA) 3-341*
Target *(AS,CI,ET,TR) 3-280*
Ten Key Board *(TI) 3-64*
TIGERbook *(ET,TR) 1-30*
Touch & Speak *(CI,ET,PA,TR) 3-344*
Touch 'N Talk Communication Board *(CI,ET,NA) 1-58*
Touch 'N Talk Communication Notebook *(CI,NA) 1-58*
Touch Com *(AS,CI,ET,TR) 3-183*
Touch Talker *(CI,EA,EC,PW,TI,TW) 1-80*
Tri-Responder *(AS,ET,TR) 1-34*
Turbo Select *(CI,EC,KM,MT,TI) 4-93*
Unicorn Expanded Keyboard *(TI,TW) 3-50*
Variable Position Scanner *(AS,CI,ET,TR) 1-34*
Versascan *(AS,CI,ET,TR) 1-35*
Vocaid *(CI,EA) 1-82*
VOIS 130 *(CI,EA) 1-82*
VOIS 135 *(CI,EA) 1-83*
VOIS 136 *(CI,EA,TW) 4-41*
VOIS 140 *(CI,EA) 1-83*
VOIS 150 *(CI,EA) 1-84*
WOLF *(CI,EA,TR) 1-84*
Zygo Model 100 *(CI,EA,ET,PW,TI,TW) 1-85*
Zygo Model 16C *(AS,CI,ET,TR) 1-36*
Zygo TETRAscan II *(TI) 3-57*

Input Symbol System: Whole Words {ISW}

A system that provides menus of words for the user to choose from.

AARON *(CI,PA,WP) 3-307*
Adaptive Firmware Card *(IA,KE,KM,TI) 3-24*
Adaptive Firmware Card Model G32 *(IA,KE,KM,TI) 4-81*
Breakthrough to Language *(CR,ET,LT) 4-166*
Comm-Prog *(CI,PA) 3-313*
Communication Programs *(CI,EC,PA,TR) 4-205*
Compudapter *(TI) 3-25*
Computer Aids for the Blind (21 programs) *(CI,ET,LP,PA,SV,TR,WP) 4-205*
Computer Aids for the Non-Verbal (31 programs) *(CI,CN,DR,ET,LP,PA,TR) 4-206*
Computer Entry Terminal *(TI) 3-25*
Computer Entry Terminal II *(TI) 4-81*
DP-200 Connected Speech Recognizer *(TI) 3-61*
E Z Talker *(CI,EA,KM,PA) 4-207*
Elementary MOD Keyboard System *(CI,ET,LP,TI) 3-28*
ESAM Learning System *(CI,ET,TR) 4-171*
Expanded Keyboards for Speak N' Spell *(EA,ET,TR) 1-65*
Fast Food Passport *(CI,NA) 4-30*
Help Me to Help Myself *(CI,ET,NA) 1-47*
I Can Talk *(CI,ES,ET,LT,TR) 3-226*
ICOMM *(CI,EA,PW,TI,TW) 1-68*
King Keyboard *(TI) 3-37*
Mac-Apple Communication Aid *(CI,CN,DR,ES,ET,PA,WP) 3-325*
Message Maker *(CI,PA) 3-327*
MOD Keyboard System *(CI,TI,TW) 3-40*
Pronounce *(TI) 3-43*
Rescue Speech System *(CI,EA,EC,PW) 4-38*
See-Thru Communication Kit *(CI,NA) 4-32*
Self-Talk *(CI,NA) 4-33*
Sentence-Scan *(CI,ET,PA) 3-334*

Software Simulations of Communication Prostheses *(AS,CI,ET) 3-182*
Talk II *(CI,PA) 3-337*
Talker Communication Program *(CI,PA) 4-214*
Talking 100 Communicator *(CI,EA) 1-78*
Talking Wheelchair *(CI,GA,PA,RE,WP) 3-340*
Talking With Your Touch Window *(AS,CI,ET,TR) 4-192*
TIGER Jr. *(CI,EA,NA,TR) 4-24*
TIM *(CI,EA,PW,WP) 1-79*
Vocaid *(CI,EA) 1-82*
Voicescribe-1000 *(TI) 3-55*
Voicescribe-20000 *(TI) 3-56*
VOIS 130 *(CI,EA) 1-82*
VS1000 Voice Communications Device *(ID) 3-65*
Word Communication *(CI,PA) 3-348*

Input Type: Air (Sip/Puff) {ITA}

Input devices operated by sip-and-puff style switches. This code is only applied to systems that come equipped with such a switch. Systems that accept any switch as input can often be connected to sip-and-puff switches purchased separately (see "Input Jack," below).

Access-Ability *(TI) 3-23*
Beep-Alarm *(CM) 4-69*
Captain's Log: Cognitive Training System *(AS,CR,ES,ET,LS) 3-196*
Directel *(EC,PC) 2-49*
Proportional Keystroke Scanner *(TI) 4-90*
Puff'N Buzzer Switch *(AS,CM,TR) 2-81*
Voice of Help *(CM) 2-83*

Input Type: Contact (Zero Pressure) {ITC}

Systems that require absolutely no pressure, only contact, to activate.

Compudapter *(TI) 3-25*
Keasyboard *(KG,TI) 3-35*

Input Type: Eye Movement and Eye Gaze {ITE}

Systems based upon the movement of the eyes. This includes electronic and non-electronic systems based on gaze, but does not include switch-type systems based on wrinkling the eyebrows or blinking (see "Movement Activated" below).

B-H Communicator *(CI,NA) 4-29*
Choice Board *(AS,ET,NA) 1-42*
Eye Transfer Communication System *(CI,ET,NA) 1-45*
Eye-Com *(CI,ET,NA) 1-45*
Eye-Com Board *(CI,ET,NA) 1-46*
EyeTyper *(CI,EA,EC,TI) 1-66*
EyeTyper 300 *(CI,EA,EC,PW,TI) 4-37*
EyeTyper Model 200 *(CI,EA,EC,PW,TI) 1-66*
Nu-Vue-Cue *(CI,ET,NA) 1-49*
Opticommunicator *(CI,ET,NA) 1-50*
Symbol Training Display *(AS,ET,TR) 1-29*

Input Type: Head Controlled {ITH}

Systems controlled by movement of the head, including systems controlled with head-mounted light pointers. Also any head-controlled input device.

AD-1 Standard Pointer *(PT) 1-9*
Adjustable Head Pointer *(PT) 1-9*
Adjustable Head Pointer *(PT) 1-9*
Adjustable Head Pointer *(PT) 4-9*
Adjustable Head Pointer *(PT) 1-10*
Arrow Mouthstick Kit *(PT) 4-9*
Captain's Log: Cognitive Training System *(AS,CR,ES,ET,LS) 3-196*
Clear-View Head Pointer *(PT) 1-10*
Computer Entry Terminal *(TI) 3-25*
HeadMaster *(MT,TI) 3-33*
Heyer-Abadie Modular Mouthstick *(PT) 1-10*
Light Pointer *(PT) 1-11*
Light Pointer *(PT) 4-9*
Light Talker *(CI,EA,EC,PW,TI,TW) 1-68*
Lite Touch *(DR,GA,RE,TI) 3-38*
Model I Light Pointer *(PT) 4-10*
Model II Light Pointer with Headstick *(PT) 4-10*
Model III Headstick *(PT) 4-10*
Mouth Held Page Turners *(BP,PT) 1-11*
Mouthsticks *(BP,PT) 1-11*
PhotoPAC/EvalPAC *(AS,CI,EA,EC,ET,PW,TI) 1-71*
Screenkeys with LROP *(TI) 3-47*
Talking Beam *(PT) 1-12*
Turbo Select *(CI,EC,KM,MT,TI) 4-93*
Vacuum Wand *(BP,PT) 4-11*
Viewpoint Optical Indicator 6 *(PT) 1-12*

Input Type: Input Jack - Accepts Any Switch {ITI}

Systems that have an input jack (or plug) which can be connected to a variety of switches. Communication aids and computer access systems that are switch-operated are indicated by this code.

AARON *(CI,PA,WP) 3-307*
Ability Switch Tester *(AS,ET,TR) 1-15*
AbleNet Control Unit *(AS,EC,ET,TR) 1-15*
AC Adaptor FRE-103 *(TR) 4-15*
Academics with Scanning: Language Arts *(ET,LS) 3-188*
Academics with Scanning: Math *(CN,ET) 3-188*
ACES *(AS,ET) 3-171*
ACS Medicom Computer System *(CI,EC,PC,TI,TL) 3-23*
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Talking Scanner *(ET,SV) 3-279*
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Timer and Counter *(AS,EC,ET,TR) 1-31*
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TV Game-2 *(IA) 3-76*
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Zygo Model 20 *(AS,ET,TR) 1-37*
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Zygo Model 4 *(AS,CM,TR) 2-85*
Zygo scanWRITER *(CI,EA,EC,PW,TI,TW) 1-86*
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Input Type: Joystick/Wobblestick {ITJ}

Systems that accept a joystick or wobblestick as input. The joystick can be discrete (four or five switches) or analog (proportional).

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Apple Adaptor *(IA) 3-69*
Auditory Skills Package *(CR,ET) 4-165*
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Computer Entry Terminal *(TI) 3-25*
Computer Entry Terminal II *(TI) 4-81*
Computer Progs. for Neuropsychological Testing & Rehab. *(AR,CR,ET,LS) 3-206*
Computerized Enabling System *(CI,EC,PA,PC,WP) 3-315*
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Evaluation System *(AS,ET) 3-176*
Express 3 *(CI,EA,EC,PW,TI,TW) 1-65*
EZBAS *(CI) 3-132*
First Mate *(CR,ET) 4-172*
Foundations I *(AR,CR,ES,ET) 3-221*
Foundations II *(AR,CR,ES,ET) 3-222*
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Graphics Magician Jr. *(DR,PA,RE) 3-319*
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Kindermath II *(CN,ES,ET) 3-233*
Light Talker *(CI,EA,EC,PW,TI,TW) 1-68*
McIntyre *(MT,TI) 4-86*
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Modified Joystick *(TI) 2-25*
Motorized Easel *(BP,EC) 2-58*
My Book *(DR,ES,ET) 4-185*
PhotoPAC/EvalPAC *(AS,CI,EA,EC,ET,PW,TI) 1-71*
Picture Perfect *(DR,PA,RE) 3-302*
Preposition Recognition *(AR,CR,ES,ET,LT) 3-257*
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Reading Recognition *(AR,AS,ET,LS) 3-262*
SAID: Say as I Do *(ES,ET) 3-263*
ScanPAC/Epson *(CI,CN,EA,EC,PW,TI,TW) 1-74*
Surrounding Patterns (and other programs) *(CR,ES,ET,LS) 3-274*
Survival Words *(AD,AS,ET,LS,LT) 3-275*
Turbo Select *(CI,EC,KM,MT,TI) 4-93*
Universal Input Adaptor *(IA) 4-104*
Visual Recognition *(AR,AS,ES,ET,LT) 3-289*
Visuospatial Skills *(AR,CR,ET) 3-290*
VOIS 150 *(CI,EA) 1-84*
Word Communication *(CI,PA) 3-348*
Word Recognition *(AR,AS,ES,ET,LT) 3-294*
X-10 Powerhouse Computer Interface *(EC,PA) 3-349*

Input Type: Light Sensitive (Optical) {ITL}

Systems that are controlled by a projected or received source of light. Includes light pens as well as longer range light pointers.

ACES *(AS,ET) 3-171*
Blazing Paddles *(DR,ET,RE) 3-299*
Commodore Light Pen *(AP,DR,ID) 3-61*
Computer Aids for the Non-Verbal (31 programs) *(CI,CN,DR,ET,LP,PA,TR) 4-206*
Computer Entry Terminal *(TI) 3-25*
Computer Entry Terminal II *(TI) 4-81*
ControlPAC *(AS,EC,ET) 2-48*
Express 3 *(CI,EA,EC,PW,TI,TW) 1-65*
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Light Talker *(CI,EA,EC,PW,TI,TW) 1-68*
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Input Type: Movement Activated {ITM}

TIGER Jr. *(CI,EA,NA,TR) 4-24*

Input Type: Noise (Sound or Vocalization) {ITN}

Systems which are activated by a general sound.

Able-Phone 100 *(EC,PC) 4-61*
Silent Call *(CM) 4-71*
Silent Page System *(CM) 2-82*
Sound Activated Light Switch *(EC) 2-63*
Sound Monitor *(CM) 2-83*
Voice Activated Graphics *(ET,ST) 4-195*
Watchman *(CM) 2-84*
Whistleswitch Remote Control *(EC) 2-70*
Wireless Alerting Systems *(CM) 2-84*

Input Type: OCR (Optical Character Recognition) {ITO}

Systems which can scan a printed text and determine what characters (letters, numbers, etc.) are on the page. This information can then be stored as a computer text file.

Datacopy Model 730 *(TI) 4-82*
Jet Reader *(TI) 4-85*
Kurzweil Reading Machine *(TI,TO) 4-85*
MS-300A *(TI) 4-87*
Omni-Reader *(TI) 4-88*
PC Reader *(TI) 3-42*
PC Scan *(TI) 4-89*
Personal Computer Scanner (PCS) *(TI) 4-89*
PS-2000 *(TI) 4-91*
Ready Reader *(TI) 3-45*
Scan 300 *(TI) 4-91*
Scan 300/FB *(TI) 4-92*
Scan 300/SF *(TI) 4-92*
Words-to-Voice *(SV,TO,WP) 3-101*

Input Type: Pressure Sensitive {ITP}

Most touchpads and non-standard keyboards, plus anything activated by pushing, pulling or grasping. Also any non-electronic communication system where choices are indicated by pointing.

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Adaptive Firmware Card Model G32 *(IA,KE,KM,TI) 4-81*
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Arcademic Skill Builders In Math: Set-Ups for the AFC *(ET) 4-133*
Bear Jam *(ES,ET) 3-193*
Beep-Alarm *(CM) 4-69*
Blazing Paddles *(DR,ET,RE) 3-299*
Breakthrough to Language *(CR,ET,LT) 4-166*
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Communication Folder *(CI,NA) 1-43*
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Environmental Control System *(EC) 2-53*
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Expanded Keyboard for Automatic Telephone *(EC,PC) 2-53*
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Expanded Keyboards *(TI,TW) 3-30*
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Expanded Keyboards for the Adaptive Firmware Cards *(TI) 3-30*
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Freedom Writer *(PA,WP) 4-208*
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Jumbo Phone with 9 Memories *(EC,PC) 2-56*

Kennedy Switch Key Software *(CI,ET,TI) 3-136*
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Pocket Picture Holder *(NA) 4-32*
Pocket-Sized Communication Book *(CI,NA) 1-53*
Point and Read *(ET,LS) 3-254*
Point to Pictures Development Kit *(AP,AR,AS,ES,ET) 3-255*
Point to Pictures Discrimination Kit *(AR,AS,ES,ET,TR) 3-255*
Point to Pictures Lesson Plan Masters *(ES,ET) 3-256*
Porta Book *(CI,NA) 1-54*
Portable Communication Boards *(CI,NA) 1-54*
Portable Voice II *(CI,EA,PW) 1-72*
PowerPad *(DR,ID,RE) 3-64*
PowerPad Programming Kit *(AP,ET) 3-256*
Powerpad Starter Kit for IBM-PC *(TI) 4-90*
Preposition Recognition *(AR,CR,ES,ET,LT) 3-257*
Pressure Sensitive Expanded Keyboard *(TI) 3-43*
Puzzle Switches *(AS,TR) 4-21*
Q.E.D. Scribe *(CI,EA,KG,PW) 4-38*
RC5000 Radio Home Control System *(CM,EC) 4-63*
Reading Recognition *(AR,AS,ET,LS) 3-262*
Remote Keyboard for the Apple II+ and IIe *(DR,TI) 3-46*
Representational Play *(ES,ET,LT) 3-263*
Say-It-All and Say-It-All Super Plus *(CI,EA,PW) 1-73*
Say-It-All II and II Plus *(CI,EA,KG,PW) 4-39*
Say-It-Simply Plus *(CI,EA,ET,TR) 4-39*
See-Thru Communication Kit *(CI,NA) 4-32*
Self-Talk *(CI,NA) 4-33*
Signal Buzzer *(AS,CM,TR) 2-82*
SimpleCom I: Yes/No Communication *(CI,ET,TR) 3-265*
SimpleCom II: Needs/Wants Communication *(CI,ET,TR) 3-266*
SKERF-Pad *(SV,TO) 4-113*
Smartline Smartboard *(KM,TI) 4-93*
Soft-Touch *(ID) 4-99*
Software Simulations of Communication Prostheses *(AS,CI,ET) 3-182*
SonomaVoice *(CI,ET,TR) 1-27*
Special Friend Speech Prosthesis *(CI,EA) 1-75*
SpeechAid *(CI,EA,PW,TI,TW) 1-76*
SpeechPad *(CI,EA) 1-77*
STIM-U-LITE *(AS,ES,ET,TR) 1-28*
Super Cranmer Graphics Package *(BR,ET,PA) 3-336*
Symbol Training Display *(AS,ET,TR) 1-29*
Symbol Writer *(AS,ES,ET,GA) 3-276*
TAG: Talking Animated Graphics *(ES,ET) 3-276*
Talker II *(CI,EA,KG,PW) 4-40*
Talking 100 *(CI,EA,PC,PW,WP) 1-78*
Talking BlissApple *(CI,ET,PA) 3-339*
Talking Mitt *(CI,NA,TR) 4-33*
Talking Paddles *(CI,ET,NA) 1-56*
Talking Pictures Communication Board *(CI,ET,NA) 1-57*
Talking Pictures Series *(CI,ET,TR) 4-191*
Talking Pictures, Kits I, II, and III *(CI,ET,NA) 1-57*
Talking Unicorn *(ET,SV) 3-280*
Talking With Your Touch Window *(AS,CI,ET,TR) 4-192*
Talking Word Board *(CI,PA) 3-341*
Tape-A-Message *(AS,ET,PC,TR) 1-30*
Ten Key Board *(TI) 3-64*
This is the Way We Wash Our Face *(ES,ET,TR) 4-193*
TIGER Jr. *(CI,EA,NA,TR) 4-24*
TIGERbook *(ET,TR) 1-30*
Tongue Controller *(TI) 3-49*
Touch & Speak *(CI,ET,PA,TR) 3-344*
Touch 'N Talk Communication Board *(CI,ET,NA) 1-58*
Touch 'N Talk Communication Notebook *(CI,NA) 1-58*
Touch 'N Talk Micros *(CI,ET,NA) 1-59*
Touch and Match *(ES,ET) 3-283*
Touch and See *(ES,ET) 3-283*
Touch Com *(AS,CI,ET,TR) 3-183*
Touch Talker *(CI,EA,EC,PW,TI,TW) 1-80*
Touch Window *(DR,DS,ID,RE,WP) 3-65*
Tri-Responder *(AS,ET,TR) 1-34*
TurboTouch 1310 *(ID) 4-100*
TV Converter Model 4304 *(EC) 2-68*
Ultra 4 Remote System *(EC) 2-68*
Unicorn Expanded Keyboard *(TI,TW) 3-50*
Unidialer *(EC,PC) 2-69*
Unipix *(CI,ET,NA) 1-60*
VI-TEL-DIAL *(CM) 4-72*
VIC-20 Scanner *(CI,PA,WP) 3-347*
VISPA *(CR,ET) 4-194*
Vocaid *(CI,EA) 1-82*
VOIS 130 *(CI,EA) 1-82*
VOIS 135 *(CI,EA) 1-83*
VOIS 136 *(CI,EA,TW) 4-41*
VOIS 140 *(CI,EA) 1-83*
VOIS 150 *(CI,EA) 1-84*
Wheels On The Bus *(ES,ET,TR) 4-195*
WOLF *(CI,EA,TR) 1-84*
Word Board *(CI,NA) 1-60*
Word Recognition *(AR,AS,ES,ET,LT) 3-294*
Worm Squirm *(ES,ET,TR) 4-196*

Input Type: Speech Recognition {ITS}

Systems that can recognize specific spoken words or phrases, and accept them as input.

ACS Medicom Computer System *(CI,EC,PC,TI,TL) 3-23*
Butler-in-a-Box *(EC,PC,TI) 2-46*
CASPT *(ET,ST) 3-197*
Chatterbox Dictionary *(ES,ET,LT) 3-198*
Command Telephone System *(EC,PC) 2-47*
Computer Aided Stuttering Treatment (CAST) *(ET,ST) 4-167*
Computer-Aided Fluency Establishment Trainer (CAFET) *(ET,ST) 4-168*
Coretechs VET3 *(TI) 3-26*
DART-5000 *(TI,WP) 3-26*
DP-200 Connected Speech Recognizer *(TI) 3-61*
Early Learning I *(ES,ET) 3-211*
Early Learning II *(CN,ES,ET) 3-212*
Ears *(TI) 3-27*

HAL (Home Automation Link) *(EC,PC,TI) 4-84*
IntroVoice I & II *(TI) 3-33*
IntroVoice III *(TI) 3-34*
IntroVoice Utility Disk *(ET) 4-175*
IntroVoice V *(TI) 3-34*
IntroVoice VI *(SS,TI) 4-84*
Kurzweil Voicesystem *(TI) 3-38*
Lis'ner 1000 *(SS,TI) 4-86*
MacSpeech Lab *(ET,ST) 4-182*
Micro Speech Lab *(AR,ET,ST) 3-245*
No-Touch *(EC,PC) 2-58*
Pronounce *(TI) 3-43*
R/S II Series Wireless Link *(IA) 3-75*
SAR-10 Voice Plus *(TI) 3-46*
SoftVoice *(EC,GA,PA,PC) 4-213*
Speech Recognition Keyboard *(TI) 3-48*
SpeechMaster *(ET,ST) 3-271*
SR-100 Voice Input Terminal *(TI) 3-48*
TI-Speech *(TI) 3-49*
VCS1000 *(TI) 4-94*
Video Voice *(AR,ET,ST) 3-288*
Visi-Pitch Model 6095 *(AR,ET,ST) 3-288*
Visible Speech Aid *(ET,ST) 3-289*
VocaLink Cellular Module *(EC,PC) 2-70*
VocaLink CSRB-LC *(TI) 3-50*
VocaLink Series 4000 *(TI) 3-51*
VocaLink SYS300 *(TI) 3-51*
VocaLink VRT300 *(TI) 3-52*
Voice Card *(TI) 3-52*
Voice Command System *(TI) 3-53*
Voice Communications Option *(PC,SS,SV,TI,TL) 3-53*
Voice Communications System *(PC,TI) 3-54*
Voice Dialer Telephone *(EC,PC) 4-66*
Voice Driver *(TI) 3-54*
Voice English Language Development *(ET,LT) 3-291*
Voice Interactive Computer System *(SS,TI,TO) 4-94*
Voice Master *(ID,SS) 3-125*
Voice Math *(CN,ET) 3-291*
Voice Reading Ability Drill *(ET,LS) 3-292*
Voice Systems Package *(SV,TI) 3-55*
Voice-Key *(TI) 4-95*
Voicescribe-1000 *(TI) 3-55*
Voicescribe-20000 *(TI) 3-56*
VS1000 Voice Communications Device *(ID) 3-65*
VTR 6050 Series II *(TI) 3-56*

Input Type: Wireless {ITW}

Systems having a wireless connection between two of its components.

Deuce *(EC,PC,TW) 2-48*
Encoscan *(EC) 4-62*
Environmental Control *(EC,TR) 2-52*
Environmental Control System *(EC) 2-53*
EZRA *(CI,CM,EC,PC) 2-54*
Flexcom *(CI,EA,EC) 1-67*
Infrared Remote Control *(EC) 2-56*
MECCA *(EC,PC) 2-57*
On/Off Remote Switch *(EC) 2-59*
R/S II Series Wireless Link *(IA) 3-75*
Radio Remote Control *(EC) 2-60*
Radio Unicontrol *(EC) 2-61*
Remote Control Sonic Switch *(EC) 2-62*
Smarthome I *(CM,EC,PC) 2-63*
Sound Activated Light Switch *(EC) 2-63*
Television Channel Selector *(EC) 2-66*
TOSC-2 Environmental Control System *(CM,EC,PC) 2-67*
TV Converter Model 4304 *(EC) 2-68*
Ultra 4 Remote System *(EC) 2-68*
Voice of Help *(CM) 2-83*
Whistleswitch Remote Control *(EC) 2-70*
Wireless Data Transmission System *(IA) 3-77*

Output/Display: Braille Printer {ODB}

Software or hardware that can drive a braille printer, or a braille printer itself.

AudiBraille Computer *(BR,SV,TO) 3-81*
BEX *(BR,LP,PA,SV,WP) 3-309*
Braille Font for MousePaint *(BR,PA) 4-204*
Braille Translation Software *(BR,PA) 3-310*
Braille-Talk *(BR,PA,SV) 3-311*
BraT *(BD,BR,TE,TL,TO) 3-84*
CHPI Apple Tool Kit *(BR,KM,PA,TL,WP) 3-312*
Cranmer Modified Perkins Brailler *(BD,BR) 3-105*
Duxbury Braille Translator *(BR,PA) 3-316*
Electronic Typing Fingers *(BD,BR) 3-106*
Hot Dots *(BR,PA) 3-320*
Illustrations *(BR,DR,PA) 3-321*
INDEX *(BD,BR) 3-106*
Marathon Brailler *(BD,BR) 4-121*
MBOSS-1 *(BD,BR) 3-107*
Micro Braille *(BR,PA,WP) 3-327*
Microbrailler 2400 *(BD,BR,PW,TO,WP) 3-107*
MPRINT *(BD,BR) 3-108*
Ohtsuki Printer *(BD,BR) 3-108*
Personal Brailler *(BD,BR,TE,TL) 3-109*
Quick Textfile Converter (QTC) *(BR,PA,WP) 4-212*
Romeo Brailler *(BD,BR) 3-109*
Super Cranmer Graphics Package *(BR,ET,PA) 3-336*
Tally-Talk *(DS,PA) 3-342*
TED-600 Text Embossing Device *(BD,BR) 3-110*
TeleBraille *(CI,PC,TD,TL) 1-97*
Thiel Braille Printer BETA X-3 *(BD,BR) 3-105*
TranscriBEX *(BR,PA,WP) 4-215*
Transcription Station *(BR,PA,WP) 4-215*
TRI-170 Braille Terminal Embosser *(BD,BR,TE,TL) 3-110*
VersaBraille *(BD,BR,PA,WP) 3-111*
VersaPoint Braille Embosser *(BD,BR) 3-111*

Output/Display: Deaf Baudot (for TDD's) {ODD}

Devices that use Baudot code: the code traditionally sent and received ty TDDs (Telecommunication Devices for the Deaf). Some TDDs also send and receive ASCII code (a standard computer code).

Amcom C *(CI,PC,TD,TL) 1-89*
COM 2000 *(CI,PC,TD,TL) 1-89*
Intele-Type *(CI,PC,TD,TL) 1-90*
Lifestyle Personal Communicator *(CI,CN,PC,TD,TL) 1-91*
Minicom II *(CI,PW,TD,TL) 1-92*
PC/TDDA Software *(CI,PA,PC,TD) 4-211*
Phone-TTY CM-4 Computer Modem *(CI,PC,TD,TL) 4-45*
Porta Printer Plus MP20 *(CI,TD,TL) 1-92*
Porta Printer Plus MP20D *(CI,PC,TD,TL) 1-93*
Porta Printer Plus MP40D *(CI,PC,TD,TL) 1-93*
Porta View Junior/Model 32 *(CI,TD,TL) 1-94*
SM85 Smart ASCII/Baudot Modem *(CI,PC,TD,TL) 4-45*
SSI-100 Communicator *(CI,TD,TL) 1-95*
SSI-220 Communicator *(CI,TD,TL) 1-95*
SSI-240 Communicator *(CI,TD,TL) 1-96*
Superprint 100, 200, 400 *(CI,PC,TD,TL) 1-96*
Talk Tone *(CI,TD,TL) 1-97*
TeleBraille *(CI,PC,TD,TL) 1-97*
TRI-170 Braille Terminal Embosser *(BD,BR,TE,TL) 3-110*
UNI-PTC TDD *(CI,CN,PA,PC,TD,TL,TO) 4-216*

Output/Display: Ideographic/Pictographic Symbols {ODI}

Products that can print or display pictograph-based messages.

Blissymbolics: Bliss Library *(AP,PA) 3-309*
Blissymbolics: Blissboard *(CI,ET,PA) 3-310*
Talking BlissApple *(CI,ET,PA) 3-339*

Output/Display: Large Print {ODL}

Products whose output can be printed or displayed in large characters.

Alphabet with Tom and Andy *(AR,ES,ET) 3-189*
Apple Demo Disk *(AS,ET) 3-190*
Beamscope II *(LP,TO) 3-82*
BEX *(BR,LP,PA,SV,WP) 3-309*
Bigprint *(LP,TO) 4-107*
Brainz *(AP,ET) 3-196*
Calc-Talk *(CN,LP,PA,SV) 3-312*
Classy Letterheads - Speak! *(LP,PA,SV,WP) 3-313*
Compu-Lenz *(LP,TO) 3-84*
E-Z Pilot II Authoring System and Training Package *(AP,PA) 3-316*
Elementary MOD Keyboard System *(CI,ET,LP,TI) 3-28*
Expand-a-View *(LP,TO) 3-86*
Finger Print *3-133*
Getting Started in Arithmetic Series (and Sam's Store) *(CN,ET,LP,LS,SV) 3-223*
inLARGE *(LP,TO) 3-87*
Joywriter *(LP,PA) 3-322*
Kennedy Handi-Math Program *(CN,ET,LS) 3-229*
Keyboarder *(ET,KB,LP) 3-230*
Keyboarding for the Visually Limited *(ET,KB,LP,WP) 3-231*
Kidsview *(ET,LP) 4-177*
Kidsword *(ET,LP,WP) 4-178*
Large Font Electric Answer Sheet I & II *(ET,LP) 4-178*
Large Font Math Drill Series *(CN,ET,LP,LS) 4-179*
Large Font Paragraph Recorder *(ET,LP) 4-179*
Large Font Programmer *(LP,PA) 4-209*
Large Print Display Processor *(LP,TO) 3-88*
Large Print DOS *(LP,TO) 4-111*
Large Print Word Processor *(LP,PA,WP) 3-323*
Large Type *(LP,PA,WP) 3-323*
LimeLight *(LP,TO) 3-89*
LoVE *(LP,PA,SV,WP) 3-325*
Low Vision Editor (LVE) *(LP,PA,WP) 4-210*
Lyon Large Print Program *(LP,TO) 3-89*
MacProjector Model I & II *(LP,TO) 4-112*
Magic Keyboard *(LP,TO) 3-90*
Magic Slate *(ET,LP,LS,PA,WP) 3-239*
Magnicomp *(LP,PA) 3-326*
MagniLink *(LP,TO) 3-90*
Megaword *(LP,PA,WP) 4-210*
Morse Code & Scanning Practice Programs *(ET,GA,RE) 3-247*
MultiScribe *(LP,PA,WP) 3-329*
Optacon *(BD,LP,TO) 3-91*
PC Lens *(LP,TO) 3-91*
Peachy Writer Bold *(LP,PA) 3-330*
Presenter's Aid *(ET,LP,PA) 4-212*
Printer Control Program *(LP,TO) 4-112*
Sentence-Scan *(CI,ET,PA) 3-334*
Spell-A-Vision *(ET,LS) 3-271*
Spin and Spell *(ET,LS) 4-190*
Talking Text Writer *(ET,LS,SV,WP) 3-279*
Talking Writer & Four Games *(ET,KB,LP,PA,SV,WP) 3-341*
Tall Talk Prints *(LP,SV,TO) 3-97*
Tall Talk Screens *(LP,SV,TO) 3-98*
Textalk *(LP,PA,SV,WP) 3-343*
Triple Dump *3-142*
Type to Learn *(ET,KB) 4-194*
Verbal View *(LP,TO) 4-116*
Viewscan Text System *(CN,LP,PA,PW,TE,TO,WP) 3-100*
Vista *(LP,TO) 3-101*
Wordease *(LP,PA,WP) 4-217*
Write *(CI,ET,LS,SV) 3-295*

Output/Display: Modem (ASCII) {ODM}

Products that can send serial ASCII code over telephone lines if used with a modem.

Echo 2000 *(CI,PC,TD,TL) 1-90*
Handy Terminal *(EA,PW,TI,TW) 1-67*
Intele-Type *(CI,PC,TD,TL) 1-90*
Keynote *(PA,PW,SV,TL,TO,WP) 3-88*
Lifestyle Personal Communicator *(CI,CN,PC,TD,TL) 1-91*
Porta Printer Plus MP20 *(CI,TD,TL) 1-92*
Porta Printer Plus MP20D *(CI,PC,TD,TL) 1-93*
SM85 Smart ASCII/Baudot Modem *(CI,PC,TD,TL) 4-45*
Superprint 100, 200, 400 *(CI,PC,TD,TL) 1-96*
TeleBraille *(CI,PC,TD,TL) 1-97*
TRI-170 Braille Terminal Embosser *(BD,BR,TE,TL) 3-110*

Output/Display: Speech Output {ODS}

Products that provide synthesized or digitized speech output, either by itself or in conjunction with a speech synthesizer or digitizer.

A Is For Apple *(ES,ET) 4-164*
ACES *(AS,ET) 3-171*
ACS Medicom Computer System *(CI,EC,PC,TI,TL) 3-23*
Adaptive Firmware Card Model G32 *(IA,KE,KM,TI) 4-81*
Adventures of Jimmy Jumper - Prepositions *(AS,ES,ET,LT) 3-282*
AllTalk *(CI,EA,ET,TR) 1-63*
Apple Demo Disk *(AS,ET) 3-190*
AppleWorks Companion *(PA,SV) 4-203*
Arithmetic 1, 2, and 3 with Speech *(AR,CN,ET,LS,SV) 3-191*
Artic Vision *(SV,TO) 3-81*
Audible Career Explorer *(AR,AS,VO) 3-172*
Audible Cursor Routine *(CI,PA,TR) 4-204*
AudiBraille Computer *(BR,SV,TO) 3-81*
Audio Braille Game Tutorial *(BR,ET,GA,RE) 3-191*
Audio Scan *(CI,PA) 3-308*
Automatic Form Writer *(PA,SV,VO) 3-308*
Basic Interpreter for the Blind *(SV,TO) 3-82*
Basic Language Series-Spatial Concepts *(ES,ET,LT) 3-192*
Bear Jam *(ES,ET) 3-193*
BEX *(BR,LP,PA,SV,WP) 3-309*
Blackboard *(SV,TO) 4-107*
BOSS (Battery Operated Speech Synthesizer) *(SS) 4-125*
Braille 'n Speak *(BR,PW,SV,TO) 4-108*
Braille Trainer *(BR,ET,SV) 3-195*
Braille-Talk *(BR,PA,SV) 3-311*
Breakthrough to Language *(CR,ET,LT) 4-166*
Business Vision *(SV,TO) 4-109*
Butler-in-a-Box *(EC,PC,TI) 2-46*
Calc-Talk *(CN,LP,PA,SV) 3-312*
CallText 5000 *(PC,SS) 3-115*
CallText 5050 *(PC,SS) 3-115*
Chatterbox Dictionary *(ES,ET,LT) 3-198*
Choice Maker I *(AR,ES,ET) 3-198*
Classy Letterheads - Speak! *(LP,PA,SV,WP) 3-313*
Coinsnkeys *(CN,ES,ET,KB) 3-202*
Color Find *(ES,ET) 3-202*
Communication Programs *(CI,EC,PA,TR) 4-205*
Computer Aids for the Blind (21 programs) *(CI,ET,LP,PA,SV,TR,WP) 4-205*
Computer Aids for the Non-Verbal (31 programs) *(CI,CN,DR,ET,LP,PA,TR) 4-206*
Computer Progs. for Neuropsychological Testing & Rehab. *(AR,CR,ET,LS) 3-206*
Computerized Enabling System *(CI,EC,PA,PC,WP) 3-315*
Computerized Training Systems (CTS): Nuts & Bolts *(ET,VO) 3-207*
Control Without Keyboards *(AS,CI,ET,PA) 3-315*
Core Reading and Vocabulary Development *(ET,LS) 3-208*
CREATE *(AR,AS,CR,ES,ET,LS) 3-209*
Creature Antics *(ET,GA,TR) 4-169*
Creature Chorus *(ET,TR) 4-169*
Cricket *(SS) 3-116*
CTS: Electronic Assembly & Soldering *(ET,VO) 3-210*
DECtalk *(SS) 3-116*
Dinosaur Game *(ES,ET,GA,TR) 4-170*
E Z Talker *(CI,EA,KM,PA) 4-207*

E-Z Pilot II Authoring System and Training Package *(AP,PA) 3-316*
Early Learning I *(ES,ET) 3-211*
Early Learning II *(CN,ES,ET) 3-212*
Easy Vision *(SV,TO) 4-109*
Echo + *(SS,SV) 3-117*
Echo Commander *(SV,TO) 4-110*
Echo GP *(SS) 3-117*
Echo IIb *(SS) 4-125*
Echo PC2 *(SS) 3-118*
Echo/Cricket Training Disk *(SV) 3-132*
EDACTS Keyboard *(CI,EC,TI,WP) 3-27*
Edmark Reading Program, Level 1 *(ES,ET,LS) 3-212*
Electronic 31 Day Calendar *(PA,SV) 3-317*
Electronic Talk Board *(CI,ET,ID,PA,TR) 4-207*
Elementary MOD Keyboard System *(CI,ET,LP,TI) 3-28*
Elementary Volume 1 - Mathematics *(CN,ET,LS,SV) 4-170*
Elephant Ears *(ES,ET,LT) 3-213*
Enable Reader *(SV,TO) 3-85*
Enhanced PC Talking Program *(SV,TO) 3-85*
Equalizer *(CI,DR,EA,PW,RE,TI,TW) 1-64*
ESAM Learning System *(CI,ET,TR) 4-171*
Expanded Keyboards for Speak N' Spell *(EA,ET,TR) 1-65*
Exploratory Play *(ES,ET,LT) 3-214*
EyeTyper *(CI,EA,EC,TI) 1-66*
EyeTyper 300 *(CI,EA,EC,PW,TI) 4-37*
EyeTyper Model 200 *(CI,EA,EC,PW,TI) 1-66*
EZ Pilot for PowerPad *(AP,ET) 3-214*
Fast Access Scan Talker *(CI,PA) 3-318*
File-Talk *(DS,PA,SV) 3-318*
Fingerspeller *(AR,AS,ET,SI) 3-217*
First Categories *(ES,ET,LS,LT) 3-218*
First Shapes *(ES,ET) 3-218*
First Verbs *(ES,ET,LT) 3-219*
First Words *(ES,ET,LT) 3-219*
First Words II *(ES,ET,LT) 3-220*
Five Choice Toy Program *(ET,TR) 4-173*
Flipper *(SV,TO) 4-110*
Following Directions *(AR,ES,ET) 3-221*
Following Directions: Left and Right *(ES,ET) 3-235*
Freedom 1 *(SV,TO) 3-86*
Fun With Math *(CN,ET,SV) 3-222*
Function Recognition *(AR,CR,ES,ET) 3-223*
Geometric Figures and Spatial Concepts *(ES,ET) 4-173*
Getting Started in Arithmetic Series (and Sam's Store) *(CN,ET,LP,LS,SV) 3-223*
Goldilocks and the Three Bears *(ET,LS) 4-174*
Hot Dots *(BR,PA) 3-320*
I Can Talk *(CI,ES,ET,LT,TR) 3-226*
IBM Augmented Phone Services *(PA,PC,SS,TD) 4-209*
IBM Personal System/2 Screen Reader *(SV,TO) 4-111*
ICOMM *(CI,EA,PW,TI,TW) 1-68*
IDEA Cat *(ES,ET,LS,LT) 3-227*
Idioms in America *(AS,ET,LS,LT) 3-227*
Interaction Games *(ET,GA,TR) 4-175*
Intex-Talker *(SS,SV) 3-118*
IntroTalker *(CI,EA,ET,TR) 4-37*
IntroVoice VI *(SS,TI) 4-84*
ITS YOUR WORDS *(AP,ET) 4-176*
K Talker *(SV,TO) 3-87*
Keyboarding Program with Voice Output *(ET,KB) 4-176*
Keynote *(PA,PW,SV,TL,TO,WP) 3-88*
Keys to Success: Comp. Keybd. Skills for Blind Children *(ET,KB,SV) 3-232*
Keytalk *(ET,KB,LS) 3-233*
Kid Talk *(ES,ET,PA,SV,WP) 3-322*
Kindermath II *(CN,ES,ET) 3-233*
Kurzweil Reading Machine *(TI,TO) 4-85*
Language L.A.B. *(AP,AR,ES,ET,LT) 3-234*
Learning the Alphabet *(ES,ET) 4-180*
Lenical *(AP,AS,ET) 3-236*
Letter Find *(CN,ES,ET,KB,SV) 3-236*
Lifestyle Personal Communicator *(CI,CN,PC,TD,TL) 1-91*
Light Talker *(CI,EA,EC,PW,TI,TW) 1-68*
Lightwriter *(CI,EA,KG,PW) 1-69*
Lip-Reader Trainer *(AS,ET,LR) 3-237*
Lis'ner 1000 *(SS,TI) 4-86*
Listen to Learn *(ET,LS,WP) 3-238*
Lister Talker *(DS,PA,SV) 3-324*
Living Center III *(CI,CN,EA,EC,RE,WP) 1-69*
Logo TouchTools for the PowerPad *(AS,ES,ET) 3-239*
LoVE *(LP,PA,SV,WP) 3-325*
Magic Cymbals *(CI,PA) 3-326*
Magic Music Teacher *(ET,GA,RE) 3-301*
Master Talker *(AP,SV) 3-137*
Math Decathlon *(CN,ET,LS,SV) 4-182*
Mathtalk *(AR,CN,ET) 3-242*
Maze *(ET,GA,RE) 3-243*
Memory Patterns *(AR,AS,ES,ET,LT) 3-244*
Message Maker *(CI,PA) 3-327*
Micro-LADS *(AS,ET,LT) 3-179*
MicroVox *(SS) 4-126*
Mini Talking Card Reader *(CI,EA,ET) 1-70*
Minspeak 1 *(CI,EA,EC,PW,TI,TW) 1-70*
Mix 'N Match *(AR,ES,ET) 3-247*
Mockingboard *(SS) 3-119*
MOD Keyboard System *(CI,TI,TW) 3-40*
Money Skills *(AD,CN,ET,LS) 4-184*
Mouse Math *(CN,ET) 3-248*
Multi-Scan *(AS,CI,ET,PA,TR) 3-329*
Multipurpose Authoring Language *(AM,AP) 4-148*
Ollie Series *(ES,ET) 3-249*
PACA (Portable Anticipatory Communication Aid) *(CI,CN,EA,PW,WP) 1-71*
Paint With Words *(ES,ET) 3-250*
PC Speak *(SV,TO) 3-92*
PC Vert *(SV,TO) 3-92*
PC Voice *(SV,TO) 3-93*
Personal Money Management *(PA,SV) 3-330*
Personal Speech System *(SS) 3-119*
PhotoPAC/EvalPAC *(AS,CI,EA,EC,ET,PW,TI) 1-71*
Picture Scanner - Software for Assessment *(AS,ET) 3-180*
PII - Personalized Information for Independence *(AD,AR,CR,ET,LS) 3-254*
Pocket-Braille *(BD,BR,PW,SV) 4-122*
Point to Pictures Development Kit *(AP,AR,AS,ES,ET) 3-255*
Point to Pictures Discrimination Kit *(AR,AS,ES,ET,TR) 3-255*
Point to Pictures Lesson Plan Masters *(ES,ET) 3-256*
Porta-Braille *(BD,BR,PW) 4-122*
Portable DECtalk *(CI,SS) 4-126*
Portable Voice II *(CI,EA,PW) 1-72*
Preposition Recognition *(AR,CR,ES,ET,LT) 3-257*
Program for Aphasics *(CR,ET) 4-187*
Programs for Early Learning and the Retarded *(ES,ET) 4-188*
Prompt-Writer *(KM,PA,SV,WP) 3-331*
ProTERM *(SV,TE,TO) 3-94*
PROVOX *(SV,TO) 3-95*
ProWORDS *(PA,SV,WP) 3-332*
Quick Talk *(CI,PA,PC) 3-332*
Rapsheet *(DS,PA,SV) 3-333*
Reading Recognition *(AR,AS,ET,LS) 3-262*
Representational Play *(ES,ET,LT) 3-263*
Rescue Speech System *(CI,EA,EC,PW) 4-38*
RIC Easy Talker *(CI,PA) 3-333*
Rockets to the Moon *(ES,ET,GA,TR) 4-188*
SAR-10 Voice Plus *(TI) 3-46*
Say It *(CI,PA) 3-334*
Say-It-All and Say-It-All Super Plus *(CI,EA,PW) 1-73*
Say-It-All II and II Plus *(CI,EA,KG,PW) 4-39*
Say-It-Simply Plus *(CI,EA,ET,TR) 4-39*
SAYIT *(AP) 3-140*
Scan & Speak *(CI,ET,TR) 3-264*
ScanPAC/Epson *(CI,CN,EA,EC,PW,TI,TW) 1-74*
SCANWOLF *(CI,EA,TR) 1-74*
SCAT (Screen Articulator) *(SV,TO) 3-95*
Screen-Talk Pro *(SV,TO) 3-96*
Sentence-Scan *(CI,ET,PA) 3-334*
Sight Word Spelling *(ET,LS,SV) 3-265*
SimpleCom I: Yes/No Communication *(CI,ET,TR) 3-265*
SimpleCom II: Needs/Wants Communication *(CI,ET,TR) 3-266*

SKERF-Pad *(SV,TO) 4-113*
Slotbuster *(SS) 3-120*
Small Talk *(CI,CN,PW,SV,TO,WP) 1-75*
SmoothTalker *(SS,SV) 3-120*
Smoothtalker for Light Talker and Touch Talker *(CI,EA,SS) 4-40*
Soft Vert *(SV,TO) 3-96*
Software Automatic Mouth (SAM) *(SS) 3-121*
Software for Visually Impaired Children *(AP,ET,KB,LS,SV) 3-267*
Software Simulations of Communication Prostheses *(AS,CI,ET) 3-182*
SonomaVoice *(CI,ET,TR) 1-27*
Sound Ideas *(ET,LS) 3-268*
Sound Match *(AS,ES,ET) 3-268*
Speak Up *(CI,PA) 3-335*
Speak-A-Label *(DS,PA,SV) 3-335*
Speaking Speller *(ET,LS,SV) 4-189*
Speaqualizer *(SV,TO) 4-113*
Special Friend Speech Prosthesis *(CI,EA) 1-75*
Speech Adapter for PC Convertible *(SS) 4-127*
Speech Construction Set *4-134*
Speech Enable *(SV,TO) 4-114*
Speech Writer *(PA,SV,WP) 3-336*
SpeechAid *(CI,EA,PW,TI,TW) 1-76*
SpeechPAC/Epson *(CI,EA,EC,PW,TI,TW) 1-76*
SpeechPad *(CI,EA) 1-77*
Speller Bee *(ET,LS) 3-272*
Spelling Tutor *(ET,LS) 3-272*
Spellist *(ET,LS) 3-273*
Stat Talk *(CN,PA,SV) 4-214*
Study Buddy *(ET) 3-273*
Super Voice *(SS) 3-121*
Supertalker *(SS) 3-122*
Survival Words *(AD,AS,ET,LS,LT) 3-275*
Sweet Talker II *(SS) 4-127*
Symbol Writer *(AS,ES,ET,GA) 3-276*
SynPhonix 100 *(SS,SV) 3-122*
SynPhonix 200 *(SS) 3-123*
SynPhonix 210 *(IA,SS) 4-128*
SynPhonix 220 *(IA,SS) 4-128*
Synphonix jr *(SS) 3-123*
TAG: Talking Animated Graphics *(ES,ET) 3-276*
Talk II *(CI,PA) 3-337*
Talker *(PA,SV,WP) 3-338*
Talker II *(CI,EA,KG,PW) 4-40*
Talking 100 *(CI,EA,PC,PW,WP) 1-78*
Talking 100 Communicator *(CI,EA) 1-78*
Talking Apple IIGS Owner's Guide *4-135*
Talking Apple Literacy Kit *(ET,GA,KB,WP) 3-277*
Talking BlissApple *(CI,ET,PA) 3-339*
Talking Pictures Series *(CI,ET,TR) 4-191*
Talking Public Domain Disks *(ET,LS,SV,VO) 4-191*
Talking Riddles *(ET,LS) 3-278*
Talking Scanner *(ET,SV) 3-279*
Talking Sensible Speller *(PA,SV) 3-339*
Talking TermExec *(SV,TO) 3-97*
Talking Text Writer *(ET,LS,SV,WP) 3-279*
Talking Transcend II *(PA,TL) 3-340*
Talking Unicorn *(ET,SV) 3-280*
Talking Utilities for ProDOS *4-136*
Talking Wheelchair *(CI,GA,PA,RE,WP) 3-340*
Talking With Your Touch Window *(AS,CI,ET,TR) 4-192*
Talking Word Board *(CI,PA) 3-341*
Talking Writer & Four Games *(ET,KB,LP,PA,SV,WP) 3-341*
Tall Talk Prints *(LP,SV,TO) 3-97*
Tall Talk Screens *(LP,SV,TO) 3-98*
Tally-Talk *(DS,PA) 3-342*
Tape-A-Message *(AS,ET,PC,TR) 1-30*
Tele-Talk *(PA,SV) 3-342*
Tell and Spell *(ET,LS) 4-192*
Telling Time, Parts of the Face, Learning Colors *(ES,ET) 4-193*
Textalk *(LP,PA,SV,WP) 3-343*
TexTalker 3.1.2 *(ET,SV,TO) 4-114*
Textalker.Blind and Other Echo Utilities *(ET,SV,TO) 3-98*
This is the Way We Wash Our Face *(ES,ET,TR) 4-193*
TIGER Jr. *(CI,EA,NA,TR) 4-24*
TIGERbook *(ET,TR) 1-30*
TIM *(CI,EA,PW,WP) 1-79*
Timothy Communications Package *(CI,EA,PW) 1-79*
Touch & Speak *(CI,ET,PA,TR) 3-344*
Touch Com *(AS,CI,ET,TR) 3-183*
Touch Talker *(CI,EA,EC,PW,TI,TW) 1-80*
Travel Talk *(CN,PW,SV,TO,WP) 4-115*
TRAX PAX Talking Checkbook *(PA,SV) 3-344*
TRAX PAX Talking File Box *(PA,SV) 3-345*
Trine System (ACS) *(CI,EA,PW,TI,TW,WP) 1-80*
Trine System (Words+) *(CI,EA,PW,TI,TW,WP) 1-81*
Twenty Categories *(AR,ET,LS) 3-285*
Type & Speak *(CI,PA,SV) 3-345*
Type N' Parrot *(ET,KB,SV) 3-286*
Type-'N-Talk *(SS) 3-124*
Type-Talk *(AP,ET,KB) 3-286*
Ufonic Voice System *(ET,SS) 3-124*
Ultimate Banker *(CN,PA,SV) 3-346*
Ultimate File Cabinet *(DS,PA) 3-346*
V.P. *(SV,TO) 3-99*
Verbal Convertible *(CI,CN,EA,PW,SV,TO) 4-115*
Verbal Operating System *(KM,SV,TO) 4-116*
VERBal STAR *(PA,SV,WP) 3-347*
Verbal Windows *(PA,SV) 4-216*
Vert Plus *(SV,TO) 3-100*
Video-Voice *(SV,TO) 4-117*
Visual Recognition *(AR,AS,ES,ET,LT) 3-289*
Vocaid *(CI,EA) 1-82*
Voice Card *(TI) 3-52*
Voice Communications Option *(PC,SS,SV,TI,TL) 3-53*
Voice English Language Development *(ET,LT) 3-291*
Voice Interactive Computer System *(SS,TI,TO) 4-94*
Voice Master *(ID,SS) 3-125*
Voice Mate II *(AS,ET,TR) 1-36*
Voice Math *(CN,ET) 3-291*
Voice Reading Ability Drill *(ET,LS) 3-292*
Voice Synthesizer Team *(SS,SV) 4-129*
Voice Systems Package *(SV,TI) 3-55*
VOIS 130 *(CI,EA) 1-82*
VOIS 135 *(CI,EA) 1-83*
VOIS 136 *(CI,EA,TW) 4-41*
VOIS 140 *(CI,EA) 1-83*
VOIS 150 *(CI,EA) 1-84*
Votalker AP *(SS) 3-125*
Votalker C-64 *(SS) 3-126*
Votalker IB *(SS) 3-126*
VTR 6050 Series II *(TI) 3-56*
Western Center Echo Synthesizer Package *(SV) 3-143*
Wheels On The Bus *(ES,ET,TR) 4-195*
WOLF *(CI,EA,TR) 1-84*
Word Recognition *(AR,AS,ES,ET,LT) 3-294*
Word-Talk *(PA,SV,WP) 3-348*
Words-to-Voice *(SV,TO,WP) 3-101*
Worm Squirm *(ES,ET,TR) 4-196*
Write *(CI,ET,LS,SV) 3-295*
Zygo scanWRITER *(CI,EA,EC,PW,TI,TW) 1-86*

Output/Display: Tactile/Braille Display (Dynamic) {ODT}

Products that provide changing tactile output. The most common form is a dynamic (refreshable) braille display, which has small pins that raise and lower electronically to form braille characters.

AudiBraille Computer *(BR,SV,TO) 3-81*
Brailink III *(BD,BR,TI,TO) 3-83*
Braille Display Processor *(BR,TO) 3-83*
Braille Interface Terminal (B.I.T) *(BR,TI,TO) 4-108*
Computer Aids for the Blind (21 programs) *(CI,ET,LP,PA,SV,TR,WP) 4-205*
Dynaread *(PA,WP) 4-206*
Optacon *(BD,LP,TO) 3-91*

PC-Braille *(BR,TO) 3-93*
Porta-Braille *(BD,BR,PW) 4-122*
Silent Page System *(CM) 2-82*
VersaBraille *(BD,BR,PA,WP) 3-111*
VersaBraille II+ *(BD,BR,PW,TO) 4-117*

Relative Emulating Outputs (Mouse and Trackball Emulators) {ODR}

Products that emulate the function of some relative position input device such as a mouse or trackball.

Easy Access *(KM,MT) 4-75*
McIntyre *(MT,TI) 4-86*
Mouse Emulator *(MT,TI) 4-87*
quadLynx Trackball *(MT,TI) 3-44*
Tempo *(KM) 4-77*
Turbo Select *(CI,EC,KM,MT,TI) 4-93*

Switch Inputs: Uses Analog Control {SIA}

Products using an analog control, such as a proportional joystick.

Mind Master *(GA,RE,TI) 3-39*
Proportional Keystroke Scanner *(TI) 4-90*

Switch Inputs: Uses Dual Switch {SI2}

Products accepting a dual switch or two single switches as input.

Ability Switch Tester *(AS,ET,TR) 1-15*
Academics with Scanning: Language Arts *(ET,LS) 3-188*
Academics with Scanning: Math *(CN,ET) 3-188*
ACES *(AS,ET) 3-171*
Active Therapy System (ACTS) *(AS,EC,ET,TR) 4-164*
Adaptive Firmware Card *(IA,KE,KM,TI) 3-24*
Adaptive Firmware Card Model G32 *(IA,KE,KM,TI) 4-81*
And Or Box *(AS,TR) 4-15*
Apple Computer Input Adapter *(IA) 3-69*
Apple Demo Disk *(AS,ET) 3-190*
Arcademic Skill Builders In Math: Set-Ups for the AFC *(ET) 4-133*
Call Signal 2 *(AS,CM,TR) 2-76*
Catch the Cow *(AS,ET) 3-173*
Com Board *(AS,CI,ET,TR) 1-19*
Compartmentalized Communicator *(AS,CI,ET,TR) 1-20*
Computer Entry Terminal *(TI) 3-25*
Computer Entry Terminal II *(TI) 4-81*
Computer Switch Interface *(IA) 4-103*
Control 1 *(EC,PC) 2-47*
Deuce *(EC,PC,TW) 2-48*
Dual Channel Latching Switch Interface *(AS,EC,ET,TR) 1-22*
Dual Switch Latch and Timer *(AS,EC,ET,TR) 1-22*
Dual Tape Control *(EC) 2-49*
Electric Copyholders *(BP,EC) 2-52*
Elementary MOD Keyboard System *(CI,ET,LP,TI) 3-28*
Encoscan *(EC) 4-62*
ESAM Learning System *(CI,ET,TR) 4-171*
ESAM'S Switch Training Program *(ET,TR) 4-171*
Evaluation System *(AS,ET) 3-176*
EZMorse Keyboard Emulator *(TI) 3-44*
EZmorse Tutorial *(ET) 4-172*
First Verbs *(ES,ET,LT) 3-219*
First Words *(ES,ET,LT) 3-219*
First Words II *(ES,ET,LT) 3-220*
Handi-Routine *(AP) 3-135*
Interaction Games *(ET,GA,TR) 4-175*
Interface Box for Apple IIe *(IA) 3-71*
Keyboard Covers *(KM) 3-7*
Kincontrol *(EC) 4-62*
Learning the Alphabet *(ES,ET) 4-180*
Light Talker *(CI,EA,EC,PW,TI,TW) 1-68*
Math Disk *(CN,ET) 3-240*
MECCA *(EC,PC) 2-57*
MicroDEC II *(CM,EC,PC) 2-57*
Morse Code & Scanning Practice Programs *(ET,GA,RE) 3-247*
Morse Code Training *(ET) 4-184*
Morse-Code Based Keyboard Emulator *(TI) 3-40*
Motor Training Games *(AS,ET,GA,RE) 3-301*
Omnibox *(ET,ID,TR) 3-63*
PACA (Portable Anticipatory Communication Aid) *(CI,CN,EA,PW,WP) 1-71*
PC AID *(TI) 3-41*
PC Serial AID *(KM,TI) 3-42*
Phonics, Text, and Graphics *(DR,ET,RE,WP) 3-252*
PhotoPAC/EvalPAC *(AS,CI,EA,EC,ET,PW,TI) 1-71*
Picture Communication *(CI,ET,PA) 3-331*
Poc-Ett System *(AS,CI,ET,TR) 1-25*
Portable Voice II *(CI,EA,PW) 1-72*
Scanning Console ECS-8 *(EC) 4-63*
Scanning Remote Control (SRC) *(EC) 4-64*
ScanPAC/Epson *(CI,CN,EA,EC,PW,TI,TW) 1-74*
Sentence-Scan *(CI,ET,PA) 3-334*
Series Adapter *(AS,TR) 4-22*
Special Inputs Disk *(AS,ET,KM,TI) 3-47*
Speller Teller *(AS,CI,ET,TR) 1-27*
Steeper Communication/Teaching Aid *(AS,CI,TR) 4-23*
Switch Adapter for Apple IIe and II+ Computers *(IA) 3-75*
Switch Interface *(IA) 3-76*
Switch Latch *(AS,EC,ET,TR) 1-29*
Switch Latch/Timer *(AS,TR) 4-23*
Switchboard *(CI,EA,ET) 1-77*
Talking Aid *(CI,PA) 3-338*
Television Channel Selector *(EC) 2-66*
Timer and Counter *(AS,EC,ET,TR) 1-31*
TOSC-2 Environmental Control System *(CM,EC,PC) 2-67*
Touch Turner *(BP,EC) 2-67*
Toy Assessor *(AR,AS,ES,ET) 3-284*
Training Aid 2 *(AS,EC,ET,TR) 1-33*
Turbo Select *(CI,EC,KM,MT,TI) 4-93*
TV Converter Model 4020 *(EC) 4-65*
TVRC and TVSRC *(EC) 4-65*
Ultra 4 Remote System *(EC) 2-68*
Universal Input Adaptor *(IA) 4-104*
Versascan *(AS,CI,ET,TR) 1-35*
Voice Mate II *(AS,ET,TR) 1-36*
Word Communication *(CI,PA) 3-348*
Words+ Software Keyboard Emulator (WSKE) *(TI) 4-95*
Zygo Model 16C *(AS,CI,ET,TR) 1-36*
Zygo scanWRITER *(CI,EA,EC,PW,TI,TW) 1-86*

Switch Inputs: Uses Joystick (4 or 5 Switches) {SIJ}

Products accepting input from a four-switch or five-switch joystick.

ACS Medicom Computer System *(CI,EC,PC,TI,TL) 3-23*
Computer Aids for the Non-Verbal (31 programs) *(CI,CN,DR,ET,LP,PA,TR) 4-206*
Computer Progs. for Neuropsychological Testing & Rehab. *(AR,CR,ET,LS) 3-206*
Edmark Reading Program, Level 1 *(ES,ET,LS) 3-212*
Elementary MOD Keyboard System *(CI,ET,LP,TI) 3-28*
Evaluation System *(AS,ET) 3-176*
EZBAS *(CI) 3-132*
Foundations I *(AR,CR,ES,ET) 3-221*
Function Recognition *(AR,CR,ES,ET) 3-223*
Game Paddle for Apple II Computers *(TI,TW) 3-32*
Lite Touch *(DR,GA,RE,TI) 3-38*
McIntyre *(MT,TI) 4-86*
Memory I *(CR,ES,ET,LS) 3-243*
Memory II *(CR,ES,ET,LS) 3-244*
Memory Patterns *(AR,AS,ES,ET,LT) 3-244*
MOD Keyboard System *(CI,TI,TW) 3-40*
My Book *(DR,ES,ET) 4-185*
PhotoPAC/EvalPAC *(AS,CI,EA,EC,ET,PW,TI) 1-71*

Picture Communication *(CI,ET,PA) 3-331*
Picture Perfect *(DR,PA,RE) 3-302*
Preposition Recognition *(AR,CR,ES,ET,LT) 3-257*
Race the Clock *(ET,GA,RE) 3-260*
Reading Recognition *(AR,AS,ET,LS) 3-262*
SAID: Say as I Do *(ES,ET) 3-263*
ScanPAC/Epson *(CI,CN,EA,EC,PW,TI,TW) 1-74*
Special Skill Builders I & II *(CN,ES,ET) 3-270*
Surrounding Patterns (and other programs) *(CR,ES,ET,LS) 3-274*
Survival Words *(AD,AS,ET,LS,LT) 3-275*
Turbo Select *(CI,EC,KM,MT,TI) 4-93*
Universal Input Adaptor *(IA) 4-104*
Visual Recognition *(AR,AS,ES,ET,LT) 3-289*
Visuospatial Skills *(AR,CR,ET) 3-290*
VOIS 150 *(CI,EA) 1-84*
Word Communication *(CI,PA) 3-348*
Word Recognition *(AR,AS,ES,ET,LT) 3-294*
X-10 Powerhouse Computer Interface *(EC,PA) 3-349*

Switch Inputs: Uses Multiple Switches (3 to 16 Switches) {SIM}

Products accepting 3 - 16 switches as input.

Ability Switch Tester *(AS,ET,TR) 1-15*
ACES *(AS,ET) 3-171*
ACS Medicom Computer System *(CI,EC,PC,TI,TL) 3-23*
Active Therapy System (ACTS) *(AS,EC,ET,TR) 4-164*
Compartmentalized Communicator *(AS,CI,ET,TR) 1-20*
Compudapter *(TI) 3-25*
Computer Entry Terminal *(TI) 3-25*
Computer Entry Terminal II *(TI) 4-81*
Easy Programmer *(PA) 3-317*
Electronic Talk Board *(CI,ET,ID,PA,TR) 4-207*
Elementary MOD Keyboard System *(CI,ET,LP,TI) 3-28*
Evaluation System *(AS,ET) 3-176*
EZBAS *(CI) 3-132*
FingerTip Controller *(TI) 3-31*
Footmouse *(MT,TI) 3-32*
Gewa Page Turner *(BP,EC) 2-55*
Handi-Routine *(AP) 3-135*
Joystick Replacer Box *(IA) 4-103*
Keyboard Covers *(KM) 3-7*
Keypad Trainer *(AS,TR) 4-20*
Light Talker *(CI,EA,EC,PW,TI,TW) 1-68*
Lite Touch *(DR,GA,RE,TI) 3-38*
MOD Keyboard System *(CI,TI,TW) 3-40*
Money Skills *(AD,CN,ET,LS) 4-184*
Mouse Emulator *(MT,TI) 4-87*
Multi-Input Selector *(AS,EC,ET,TR) 1-24*
Multiple Switch Box for the Adaptive Firmware Card *(IA) 3-73*
Multiswitch Module *(AS,TR) 4-20*
Omnibox *(ET,ID,TR) 3-63*
Play and Match *(AS,ET,ID,TR) 4-187*
Poc-Ett System *(AS,CI,ET,TR) 1-25*
RC5000 Radio Home Control System *(CM,EC) 4-63*
Steeper Communication/Teaching Aid *(AS,CI,TR) 4-23*
Switchboard *(CI,EA,ET) 1-77*
Tape Recorder with Switch Adapter *(EC) 2-64*
Timothy Communications Package *(CI,EA,PW) 1-79*
Tongue Controller *(TI) 3-49*
Turbo Select *(CI,EC,KM,MT,TI) 4-93*
Ultra 4 Remote System *(EC) 2-68*
Zygo Model 100 *(CI,EA,ET,PW,TI,TW) 1-85*
Zygo scanWRITER *(CI,EA,EC,PW,TI,TW) 1-86*
Zygo TETRAscan II *(TI) 3-57*

Switch Inputs: Uses Single Switch {SI1}

Products accepting a single switch as input.

Ability Switch Tester *(AS,ET,TR) 1-15*
AbleNet Control Unit *(AS,EC,ET,TR) 1-15*
AC Adaptor FRE-103 *(TR) 4-15*
Academics with Scanning: Language Arts *(ET,LS) 3-188*
Academics with Scanning: Math *(CN,ET) 3-188*
Access-Ability *(TI) 3-23*
ACES *(AS,ET) 3-171*
ACS Medicom Computer System *(CI,EC,PC,TI,TL) 3-23*
Active Therapy System (ACTS) *(AS,EC,ET,TR) 4-164*
Adaptive Firmware Card *(IA,KE,KM,TI) 3-24*
Adaptive Firmware Card Model G32 *(IA,KE,KM,TI) 4-81*
Adventures of Jimmy Jumper - Prepositions *(AS,ES,ET,LT) 3-282*
ALTKEY *(TI) 3-24*
Aphasia Series: I through VIII *(CR,ET,LS) 3-190*
Apple Computer Input Adapter *(IA) 3-69*
Apple Demo Disk *(AS,ET) 3-190*
Apple IIe Input Adapter *(IA) 3-70*
Apple Switch Interface *(IA) 3-70*
Appliance Genie *(AS,EC,ET,PA) 3-307*
Arcademic Skill Builders In Math: Set-Ups for the AFC *(ET) 4-133*
Audible Cursor Routine *(CI,PA,TR) 4-204*
Audio Control Unit Model 112 *(AS,TR) 4-16*
Audio Scan *(CI,PA) 3-308*
Automatic Message Dialer *(CM,EC,PC) 2-45*
Automatic Page Turner *(BP,EC) 2-46*
Battery Adapter *(AS,ET,TR) 1-17*
Battery Device Adapter *(AS,ET,TR) 1-17*
Battery Device Timer *(AS,TR) 4-16*
Battery Interface *(AS,ET,TR) 1-18*
Beep-Alarm *(CM) 4-69*
Blisspen *(ET,LS) 3-193*
Blissymbolics: Bliss Drills *(ES,ET) 3-194*
Blissymbolics: Blissboard *(CI,ET,PA) 3-310*
Blissymbolics: Blissymbol Concepts *(ES,ET) 3-194*
Brunswick Hospital Cognitive Assessment & Retraining *(AS,CR,ET) 4-166*
ButtonCount Switch Assessment *(AS) 3-172*
Call Signal 2 *(AS,CM,TR) 2-76*
Catch the Cow *(AS,ET) 3-173*
Categorical Reasoning I and II *(CR,ET) 3-197*
Cause-Effect Graphics *(AS,ET,TR) 4-167*
Choice Maker I *(AR,ES,ET) 3-198*
Clock Communicator *(AS,CI,ET,TR) 1-18*
Com Board *(AS,CI,ET,TR) 1-19*
Communication Programs *(CI,EC,PA,TR) 4-205*
Communicator *(PA,WP) 3-314*
Communiclock *(AS,CI,ET,TR) 1-19*
Computer Aids for the Blind (21 programs) *(CI,ET,LP,PA,SV,TR,WP) 4-205*
Computer Aids for the Non-Verbal (31 programs) *(CI,CN,DR,ET,LP,PA,TR) 4-206*
Computer Entry Terminal *(TI) 3-25*
Computer Entry Terminal II *(TI) 4-81*
Computer Switch Interface *(IA) 4-103*
Control Unit Model 101 *(AS,TR) 4-17*
Control Unit Model 201 *(AS,TR) 4-17*
Counter Box *(AS,TR) 4-18*
Counter Module *(AS,ET,TR) 1-20*
Counting Critters *(CN,ES,ET) 3-209*
Creature Antics *(ET,GA,TR) 4-169*
Creature Chorus *(ET,TR) 4-169*
Delay Timer *(AS,EC,ET,TR) 1-21*
Dial Scan *(AS,CI,ET,TR) 1-21*
Dinosaur Game *(ES,ET,GA,TR) 4-170*
Door Lock Release Unicontrol *(EC) 4-61*
Dual Switch Latch and Timer *(AS,EC,ET,TR) 1-22*
Dual Tape Control *(EC) 2-49*
E-Tran Scanner *(AS,CI,ET,TR) 1-23*
Early Learning I *(ES,ET) 3-211*
Early Learning II *(CN,ES,ET) 3-212*
Easicorder *(EC) 2-51*
Elementary MOD Keyboard System *(CI,ET,LP,TI) 3-28*
Encoscan *(EC) 4-62*
Environmental Control *(EC,TR) 2-52*

ESAM'S Switch Training Program *(ET,TR) 4-171*
Evaluation System *(AS,ET) 3-176*
EZMorse Keyboard Emulator *(TI) 3-44*
EZmorse Tutorial *(ET) 4-172*
EZRA *(CI,CM,EC,PC) 2-54*
Fast Access Scan Talker *(CI,PA) 3-318*
First Categories *(ES,ET,LS,LT) 3-218*
First Verbs *(ES,ET,LT) 3-219*
First Words *(ES,ET,LT) 3-219*
First Words II *(ES,ET,LT) 3-220*
Five Choice Toy Program *(ET,TR) 4-173*
Flexcom *(CI,EA,EC) 1-67*
Florida Scanner *(AP) 3-134*
Game Paddle for Apple II Computers *(TI,TW) 3-32*
Gewa Page Turner *(BP,EC) 2-55*
Handi-Routine *(AP) 3-135*
HeadMaster *(MT,TI) 3-33*
I Can Talk *(CI,ES,ET,LT,TR) 3-226*
ICOMM *(CI,EA,PW,TI,TW) 1-68*
Invertor Module *(AS,TR) 4-19*
Kincontrol *(EC) 4-62*
Language L.A.B. *(AP,AR,ES,ET,LT) 3-234*
Light Talker *(CI,EA,EC,PW,TI,TW) 1-68*
Lighted Vibrating Signalling Buzzer *(AS,ET,TR) 1-23*
Living Center III *(CI,CN,EA,EC,RE,WP) 1-69*
Mac-Apple Communication Aid *(CI,CN,DR,ES,ET,PA,WP) 3-325*
Magic Cymbals *(CI,PA) 3-326*
Math Disk *(CN,ET) 3-240*
Math Scan *(CN,ET) 3-241*
Message Maker *(CI,PA) 3-327*
Micro-LADS *(AS,ET,LT) 3-179*
MicroDEC II *(CM,EC,PC) 2-57*
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Morser *(PA,WP) 3-328*
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PhotoPAC/EvalPAC *(AS,CI,EA,EC,ET,PW,TI) 1-71*
PIC Man *(DR,ET,RE) 3-302*
Picture Communication *(CI,ET,PA) 3-331*
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Poc-Ett System *(AS,CI,ET,TR) 1-25*
Portable Voice II *(CI,EA,PW) 1-72*
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Scanning Remote Control (SRC) *(EC) 4-64*
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Sequential Scanner *(AS,CI,ET,TR) 1-26*
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Single-Input Assessment Software *(AR,AS,ET,TR) 3-182*
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Television Channel Selector *(EC) 2-66*
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Timer and Counter *(AS,EC,ET,TR) 1-31*
Timer Module *(AS,EC,ET,TR) 1-31*
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Toy Adapter *(AS,TR) 4-25*
Toy Adapter Cable *(AS,ET,TR) 1-32*
Toy Cable *(AS,ET,TR) 1-32*
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ToyPAC *(AS,EC,ET,RE,TR) 1-33*
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Index 3

Switches Listed by Input/Output Feature

This index includes all switches listed by the type of input and by the number of switches. Within each list the switches are listed alphabetically.

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Index 3: SWITCHES Listed by Input/Output Feature

The following is the order of the Input/Output Features by which products in this index are listed:

Input Type: Air (Sip/Puff) {ITA}
Input Type: Contact (Zero Pressure) {ITC}
Input Type: Eye Movement and Eye Gaze {ITE}
Input Type: Joystick/Wobblestick {ITJ}
Input Type: Light Sensitive (Optical) {ITL}
Input Type: Movement Activated {ITM}
Input Type: Noise (Sound or Vocalization) {ITN}
Input Type: Pressure Sensitive {ITP}

Switch Outputs: Dual Switch {SO2}
Switch Outputs: Joystick (4 or 5 Switches) {SOJ}
Switch Outputs: Multiple switches (3 to 16 Switches) {SOM}
Switch Outputs: Single Switch {SO1}

The following is a list of the Input/Output Feature codes which may appear in parentheses after items in this index:

ITA	Input Type: Air (Sip/Puff)
ITC	Input Type: Contact (Zero Pressure)
ITE	Input Type: Eye Movement or Eye Gaze
ITJ	Input Type: Joystick/Wobblestick
ITL	Input Type: Light Sensitive (Optical)
ITM	Input Type: Movement Activated
ITN	Input Type: Noise (Sound or Vocalization)
ITP	Input Type: Pressure Sensitive
SO1	Switch Outputs: Single Switch
SO2	Switch Outputs: Dual Switch
SOJ	Switch Outputs: Joystick (4 or 5 Switches)
SOM	Switch Outputs: Multiple switches (3 to 16 Switches)

Input Type: Air (Sip/Puff) {ITA}

Input devices operated by sip-and-puff style switches. This code is only applied to systems that come equipped with such a switch. Systems that accept any switch as input can often be connected to sip-and-puff switches purchased separately (see "Input Jack," below).

4-Pneumatic Switch *(SOM)* 2-3
Air Switch *(SO1)* 2-6
Breath Switch *(SO2)* 4-49
Dual Pneumatic Switch *(SO2)* 2-13
Mini Joystick with Pneumatic Switch *(ITJ,SOJ)* 2-24
Pneumatic Switch *(SO2)* 2-30
Pneumatic Switch *(SO2)* 2-31
Pneumatic Switch *(SO2)* 2-31
Puff Switch *(SO1)* 2-32
Sip & Puff Switch *(SO1)* 2-35

Input Type: Contact (Zero Pressure) {ITC}

Systems that require absolutely no pressure, only contact, to activate.

Asaflex Model TS *(ITM,ITN,ITP,SO1)* 2-7
Capacitive Touchplate Interface *(SOM)* 2-10
Cylindrical Touch Switch *(SO2)* 2-12
Dual Touch Pad Switch *(SO2)* 2-15
Magnetic Finger Switch *(ITM,SO1)* 2-22
P-Switch *(ITM,ITP,SO1)* 2-26

Input Type: Eye Movement and Eye Gaze {ITE}

Systems based upon the movement of the eyes. This includes electronic and non-electronic systems based on gaze, but does not include switch-type systems based on wrinkling the eyebrows or blinking (see "Movement Activated" below).

Infrared Switch *(ITL,ITM,SO1)* 2-19

Input Type: Joystick/Wobblestick {ITJ}

Systems that accept a joystick or wobblestick as input. The joystick can be discrete (four or five switches) or analog (proportional).

4-Switch Joystick *(SOJ)* 2-4
Joystick *(SOJ)* 2-19
Joystick Interface Control *(SOJ)* 2-24
Joystick with Pad Switch *(ITP,SOJ)* 2-19
Micro Joystick with Push Switch *(ITP,SOJ)* 2-23
Mini Joystick with Pneumatic Switch *(ITA,SOJ)* 2-24
Mini Joystick with Push Switch *(ITP,SOJ)* 2-25
PRC Joystick *(SOJ)* 2-32
Touch Sensitive Joystick Control *(SO1)* 2-38

Input Type: Light Sensitive (Optical) {ITL}

Systems that are controlled by a projected or received source of light. Includes light pens as well as longer range light pointers.

Infrared Switch *(ITE,ITM,SO1)* 2-19
Light-Activated Switch *(SO1)* 4-53
Photo Cell Switch *(ITM,SO1)* 2-27
Photo Eye FE-7 *(ITM,SO1)* 4-54

Input Type: Movement Activated {ITM}

Asaflex Model TS *(ITC,ITN,ITP,SO1)* 2-7
Barrel Switch *(SO1)* 2-7
Brow Wrinkle Switch *(SO1)* 2-8
Eyebrow Switch *(SO1)* 2-15
Finger Flex Switch *(SO1)* 2-15
Flex Switch *(ITP,SO1)* 2-16
Head Control for Wheelchairs *(SOJ)* 2-17
Head Control Switch *(SO1)* 4-51
Head Switch *(SO1)* 4-52
Head Switch Kit *(SO1)* 4-52
Headband Switch *(SO1)* 2-18
Infrared Switch *(ITE,ITL,SO1)* 2-19
Magnetic Finger Switch *(ITC,SO1)* 2-22
Mercury Switch *(SO1)* 4-53
Mercury Tilt Switch *(SO1)* 2-23
P-Switch *(ITC,ITP,SO1)* 2-26
Photo Cell Switch *(ITL,SO1)* 2-27
Photo Eye FE-7 *(ITL,SO1)* 4-54
Pull Switch *(ITP,SO1)* 4-55
Tilt Switch *(SO1)* 2-37
Tilt Switch *(SO1)* 2-37
Tip Switch *(SO1)* 2-38
Wrist/Arm/Leg Switch *(SO1)* 4-58

Input Type: Noise (Sound or Vocalization) {ITN}

Systems which are activated by a general sound.

Asaflex Model TS *(ITC,ITM,ITP,SO1)* 2-7
Voice Activated Switch *(SO1)* 2-40

Input Type: Pressure Sensitive {ITP}

Most touchpads and non-standard keyboards, plus anything activated by pushing, pulling or grasping. Also any non-electronic communication system where choices are indicated by pointing.

4-Plate Switch *(SOM)* 2-3
4-Pushbutton Switch *(SOM)* 2-3
5-Pushbutton Switch *(SOM)* 2-4
5-Tread Switch Slot Control *(SOM)* 2-4
AbleNet Switch 100 *(SO1)* 2-5
Air Cushion Switch *(SO1)* 2-5
Air Cushion Switch (Single or Dual) *(SO1,SO2)* 2-5
Air Pad Switch *(SO1)* 4-49
Air Switch Kits *(SO1)* 2-6
Arm Slot Control *(SOM)* 2-6
Armslot Switch Controller *(SOM)* 2-7
Asaflex Model TS *(ITC,ITM,ITN,SO1)* 2-7
Bite Switch *(SO1)* 2-8
Body Switch *(SO1)* 2-8
Button Switch *(SO1)* 2-9
Button Switch *(SO1)* 2-9
Button Switch *(SO2)* 2-9
Cap Switch *(SO1)* 2-10
Chin Switch *(SO2)* 2-10
Clamp-On Bump Switch *(SO1)* 2-11
Classic Paddle Switch *(SO1)* 4-49
Coil Spring Wobble Stick Switch *(SO1)* 4-50
Computer Keyboard Switch *(SO1)* 2-11
Computer Plate Switch *(SO1)* 2-11
Cup Switch *(SO1)* 2-12
Deluxe Paddle Switch I & II *(SO1)* 4-50
Developmental Lever Control *(SO2)* 2-12
Double Push Panel *(SO2)* 2-13
Dual Plate Switch *(SO2)* 2-13
Dual Pushbutton Switch *(SO2)* 2-14
Dual Rocking Lever Switch *(SO2)* 2-14
Dual Tongue Switch *(SO2)* 2-14
Flat Air Cushion Switch *(SO1)* 2-16
Flat Switch *(SO1)* 4-50
Flex Switch *(ITM,SO1)* 2-16
Flexit Switch *(SO1)* 4-51
Grasp Switch *(SO1)* 2-16
Grip Switch *(SO1)* 2-17
Hand Switch *(SO1)* 2-17
Head Rest Dual Switch *(SO2)* 4-51

Index 3: SWITCHES Listed by Input/Output Feature

Head Switch *(SO1) 2-18*
Intention Switch *(SO1) 4-52*
Joystick with Pad Switch *(ITJ,SOJ) 2-19*
L.T. Switch *(SO1) 2-20*
Leaf Switch *(SO1) 2-20*
Leaf Switch *(SO1) 2-20*
Leaf Switch *(SO1) 2-21*
Left/Right Rocker Switch *(SO2) 2-21*
Lever Switch *(SO2) 2-21*
Lever Switch *(SO1) 2-22*
Light Touch Lever Switch *(SO1) 2-22*
Low Force Adjustable Rod Switch *(SO1) 4-53*
Membrane Plate Switch *(SO1) 2-23*
Micro Joystick with Push Switch *(ITJ,SOJ) 2-23*
Mini Cup Switch *(SO1) 2-24*
Mini Joystick with Push Switch *(ITJ,SOJ) 2-25*
Mini Rocking Lever Switch *(SO2) 2-25*
Mounting Switch *(SO1) 2-26*
Multi-Control Press Switch *(SO1,SO2,SOM) 4-54*
P-Switch *(ITC,ITM,SO1) 2-26*
Paddle Switch *(SO1) 2-26*
Penta Switch *(SOM) 2-27*
Pillow Switch *(SO1) 2-27*
Pinch Switch *(SO1) 4-54*
Pinch Switch *(SO1) 2-28*
Plate Switch *(SO1) 2-28*
Plate Switch *(SO1) 2-28*
Plate Switch *(SO1) 2-29*
Plate Switch *(SO1) 2-29*
Plate Switch *(SO1) 2-29*
Plate Switch On Stand *(SO1) 2-30*
Platform Switch *(SO1) 2-30*
Pointer Selection Switch *(SOM) 2-31*
Pressure Pad Switch *(SO1) 4-55*
Pressure Switch *(SO1) 4-55*
Pressure Switch *(SO1) 2-32*
Pull Switch *(ITM,SO1) 4-55*
Pull Switch - Round *(SO1) 4-56*
Pushbutton Switch *(SO1) 2-33*
Ring Stack Switch *(SO1) 4-56*
Rocker Switch *(SO2) 2-33*
Rocker Switch *(SO2) 2-33*
Rocking Plate Switch *(SO2) 2-34*
Round Pad Switch *(SO1) 2-34*
Single Push Panel *(SO1) 2-34*
Single Rocking Lever Switch *(SO1) 2-35*
Soft Switch *(SO1) 2-35*
Sponge Nurse Call Switch *(SO1) 2-36*
Square Pad Switch *(SO1) 2-36*
Squeeze Switches - Single & Dual *(SO1,SO2) 4-56*
Squeeze Type Switches *(SO1) 2-36*
Standard Paddle Switch *(SO1) 4-57*
Thumb Switch *(SO1) 2-37*
Tongue Switch *(SO2) 2-38*
Touch Switch *(SO1) 2-39*
Touch Switch Model 111 *(SO1) 4-57*
Tread Switch *(SO1) 2-39*
Treadle Switch *(SO1) 2-39*
Vertical Plate Switch *(SO1) 2-40*
Vertical Wobble Switch *(SO1) 4-57*
Wafer Switch *(SOM) 2-40*
Wobble Switch *(SO1) 2-41*
Wobble Switch *(SO1) 2-41*
Wobble Switch *(SO1) 2-41*

Switch Outputs: Dual Switch {SO2}

Opens and closes two circuits.

Air Cushion Switch (Single or Dual) *(ITP,SO1) 2-5*
Breath Switch *(ITA) 4-49*
Button Switch *(ITP) 2-9*
Chin Switch *(ITP) 2-10*
Cylindrical Touch Switch *(ITC) 2-12*
Developmental Lever Control *(ITP) 2-12*
Double Push Panel *(ITP) 2-13*
Dual Plate Switch *(ITP) 2-13*
Dual Pneumatic Switch *(ITA) 2-13*
Dual Pushbutton Switch *(ITP) 2-14*
Dual Rocking Lever Switch *(ITP) 2-14*
Dual Tongue Switch *(ITP) 2-14*
Dual Touch Pad Switch *(ITC) 2-15*
Head Rest Dual Switch *(ITP) 4-51*
Left/Right Rocker Switch *(ITP) 2-21*
Lever Switch *(ITP) 2-21*
Mini Rocking Lever Switch *(ITP) 2-25*
Multi-Control Press Switch *(ITP,SO1,SOM) 4-54*
Pneumatic Switch *(ITA) 2-30*
Pneumatic Switch *(ITA) 2-31*
Pneumatic Switch *(ITA) 2-31*
Rocker Switch *(ITP) 2-33*
Rocker Switch *(ITP) 2-33*
Rocking Plate Switch *(ITP) 2-34*
Squeeze Switches - Single & Dual *(ITP,SO1) 4-56*
Tongue Switch *(ITP) 2-38*

Switch Outputs: Joystick (4 or 5 Switches) {SOJ}

A joystick that acts like four or five switches.

4-Switch Joystick *(ITJ) 2-4*
Head Control for Wheelchairs *(ITM) 2-17*
Joystick *(ITJ) 2-19*
Joystick Interface Control *(ITJ) 2-24*
Joystick with Pad Switch *(ITJ,ITP) 2-19*
Micro Joystick with Push Switch *(ITJ,ITP) 2-23*
Mini Joystick with Pneumatic Switch *(ITA,ITJ) 2-24*
Mini Joystick with Push Switch *(ITJ,ITP) 2-25*
PRC Joystick *(ITJ) 2-32*

Switch Outputs: Multiple switches (3 to 16 Switches) {SOM}

Multiple Switches housed in a single unit.

4-Plate Switch *(ITP) 2-3*
4-Pneumatic Switch *(ITA) 2-3*
4-Pushbutton Switch *(ITP) 2-3*
5-Pushbutton Switch *(ITP) 2-4*
5-Tread Switch Slot Control *(ITP) 2-4*
Arm Slot Control *(ITP) 2-6*
Armslot Switch Controller *(ITP) 2-7*
Capacitive Touchplate Interface *(ITC) 2-10*
Multi-Control Press Switch *(ITP,SO1,SO2) 4-54*
Penta Switch *(ITP) 2-27*
Pointer Selection Switch *(ITP) 2-31*
Wafer Switch *(ITP) 2-40*

Switch Outputs: Single Switch {SO1}

Opens and closes one circuit.

AbleNet Switch 100 *(ITP) 2-5*
Air Cushion Switch *(ITP) 2-5*
Air Cushion Switch (Single or Dual) *(ITP,SO2) 2-5*
Air Pad Switch *(ITP) 4-49*
Air Switch *(ITA) 2-6*
Air Switch Kits *(ITP) 2-6*
Asaflex Model TS *(ITC,ITM,ITN,ITP) 2-7*
Barrel Switch *(ITM) 2-7*
Bite Switch *(ITP) 2-8*
Body Switch *(ITP) 2-8*
Brow Wrinkle Switch *(ITM) 2-8*
Button Switch *(ITP) 2-9*
Button Switch *(ITP) 2-9*

Cap Switch *(ITP) 2-10*
Clamp-On Bump Switch *(ITP) 2-11*
Classic Paddle Switch *(ITP) 4-49*
Coil Spring Wobble Stick Switch *(ITP) 4-50*
Computer Keyboard Switch *(ITP) 2-11*
Computer Plate Switch *(ITP) 2-11*
Cup Switch *(ITP) 2-12*
Deluxe Paddle Switch I & II *(ITP) 4-50*
Eyebrow Switch *(ITM) 2-15*
Finger Flex Switch *(ITM) 2-15*
Flat Air Cushion Switch *(ITP) 2-16*
Flat Switch *(ITP) 4-50*
Flex Switch *(ITM,ITP) 2-16*
Flexit Switch *(ITP) 4-51*
Grasp Switch *(ITP) 2-16*
Grip Switch *(ITP) 2-17*
Hand Switch *(ITP) 2-17*
Head Control Switch *(ITM) 4-51*
Head Switch *(ITM) 4-52*
Head Switch *(ITP) 2-18*
Head Switch Kit *(ITM) 4-52*
Headband Switch *(ITM) 2-18*
Infrared Switch *(ITE,ITL,ITM) 2-19*
Intention Switch *(ITP) 4-52*
L.T. Switch *(ITP) 2-20*
Leaf Switch *(ITP) 2-20*
Leaf Switch *(ITP) 2-20*
Leaf Switch *(ITP) 2-21*
Lever Switch *(ITP) 2-22*
Light Touch Lever Switch *(ITP) 2-22*
Light-Activated Switch *(ITL) 4-53*
Low Force Adjustable Rod Switch *(ITP) 4-53*
Magnetic Finger Switch *(ITC,ITM) 2-22*
Membrane Plate Switch *(ITP) 2-23*
Mercury Switch *(ITM) 4-53*
Mercury Tilt Switch *(ITM) 2-23*
Mini Cup Switch *(ITP) 2-24*
Mounting Switch *(ITP) 2-26*
Multi-Control Press Switch *(ITP,SO2,SOM) 4-54*
P-Switch *(ITC,ITM,ITP) 2-26*
Paddle Switch *(ITP) 2-26*
Photo Cell Switch *(ITL,ITM) 2-27*
Photo Eye FE-7 *(ITL,ITM) 4-54*
Pillow Switch *(ITP) 2-27*
Pinch Switch *(ITP) 4-54*
Pinch Switch *(ITP) 2-28*
Plate Switch *(ITP) 2-28*
Plate Switch *(ITP) 2-28*
Plate Switch *(ITP) 2-29*
Plate Switch *(ITP) 2-29*
Plate Switch *(ITP) 2-29*
Plate Switch On Stand *(ITP) 2-30*
Platform Switch *(ITP) 2-30*
Pressure Pad Switch *(ITP) 4-55*
Pressure Switch *(ITP) 4-55*
Pressure Switch *(ITP) 2-32*
Puff Switch *(ITA) 2-32*
Pull Switch *(ITM,ITP) 4-55*
Pull Switch - Round *(ITP) 4-56*
Pushbutton Switch *(ITP) 2-33*
Ring Stack Switch *(ITP) 4-56*
Round Pad Switch *(ITP) 2-34*
Single Push Panel *(ITP) 2-34*
Single Rocking Lever Switch *(ITP) 2-35*
Sip & Puff Switch *(ITA) 2-35*
Soft Switch *(ITP) 2-35*
Sponge Nurse Call Switch *(ITP) 2-36*
Square Pad Switch *(ITP) 2-36*
Squeeze Switches - Single & Dual *(ITP,SO2) 4-56*
Squeeze Type Switches *(ITP) 2-36*
Standard Paddle Switch *(ITP) 4-57*
Thumb Switch *(ITP) 2-37*
Tilt Switch *(ITM) 2-37*
Tilt Switch *(ITM) 2-37*
Tip Switch *(ITM) 2-38*
Touch Sensitive Joystick Control *(ITJ) 2-38*
Touch Switch *(ITP) 2-39*
Touch Switch Model 111 *(ITP) 4-57*
Tread Switch *(ITP) 2-39*
Treadle Switch *(ITP) 2-39*
Vertical Plate Switch *(ITP) 2-40*
Vertical Wobble Switch *(ITP) 4-57*
Voice Activated Switch *(ITN) 2-40*
Wobble Switch *(ITP) 2-41*
Wobble Switch *(ITP) 2-41*
Wobble Switch *(ITP) 2-41*
Wrist/Arm/Leg Switch *(ITM) 4-58*

Index 4

Products Listed by Computer

This index lists all products for each computer, followed by the functions of that product and the book-page location. Whenever possible the computer family has been specified. The listings for specific models within that family generally include only those products made specifically for that model (e.g., a keyguard) or with clearly stated restrictions regarding certain models. In all other cases, including those where software compatibility with all models in the family is not clearly specified, the computer family has been used. The manufacturer should always be contacted for up-to-date information on which models a program works with.

For example, someone interested in software for the IBM PCjr. should check both the IBM PCjr. and IBM family lists. The manufacturer of the software that is identified as meeting the function needs and having the necessary input and output features should then be contacted to determine whether the program will run on the IBM PCjr.

Index 4: Products Listed by COMPUTER

The following is the order of the Computers by which products in this index are listed:

All Computers (Hardware Independent) {ALL}
Any CP/M Computer {CPM}
Apple II family (one or more models) {A2}
Apple II+ {A2+}
Apple IIc {A2C}
Apple IIe {A2E}
Apple IIgs {A2G}
Apple Macintosh family {AM}
Atari (one or more models) {R}
Atari 2600 {R26}
Atari 400 {R4}
Atari 800 {R8}
Atari 800XL {R8X}
Atari ST {RST}
Atari ST family {RS}
Commodore (one or more models) {C}
Commodore 128 {C12}
Commodore 64 {C64}
Commodore Amiga {CA}
Commodore VIC 20 {CV2}
DEC (one or more models) {D}
Epson HX20 {EH2}
IBM 3270 {I37}
IBM Convertable (Laptop) {IPL}
IBM PC AT {IPA}
IBM PC family (one or more models) {IP}
IBM PC jr {IPJ}
IBM PS/2 family (one or more models) {IP2}
NEC (one or more models) {NE}
Other - Control Data {OC}
Other - Grid {OG}
Other - ITT {OI}
Other - Terminal (type not specified) {OT}
Other - Zenith {OZ}
TRS-80 Color {T8C}
TRS-80 Model 100 {TP1}
TRS-80 Model 200 {TP2}
TRS-80 Model I {T81}
TRS-80 Model II {T82}
TRS-80 Model III {T83}
TRS-80 Model IV {T84}
Tandy 1000 {T10}
Tandy 2000 {T20}
Tandy/Radio Shack (one or more models) {T}
Texas Instrument TI 99/4A {X94}
Toshiba Laptop (one or more models) {OTL}

The following is a list of the Function codes which may appear in paretheses after items in this index:

AD	Activities of Daily Living
AL	Artificial Larynx
AM	Administration or Management
AP	Authoring Program
AR	Analysis or Reporting Software
AS	Assessment (Evaluation)
BD	Braille Printer or Tactile Display Component
BP	Book/Paper Handling
BR	Braille
CI	Conversation/Interaction
CM	Call, Monitoring, or Memory System
CN	Calculation/Math Aid
CR	Cognitive Rehabilitation
DR	Drawing
DS	Database Management/Spreadsheet
EA	Electronic Communication or Writing Aid
EC	Environmental Control
ES	Early Skills (Pre-Reading)
ET	Education, Training, or Therapy
GA	Game
IA	Input Adapter for Computer
ID	Input Device Usable with Only Some Software
IE	IEP or IPP
KB	Keyboarding Training Program
KE	Keyboard Emulating Interface
KG	Keyguard
KM	Modification for Standard Keyboard
LP	Large Print Output
LR	Lipreading (Speech Reading)
LS	Later Skills (Includes Reading)
LT	Language Therapy/Development
MT	Mouse or Touch Pad Emulation
NA	Non-Electronic Communication Aid
PA	Personal Tool or Aid (for Speaking, Writing, Drawing, Controlling, etc.)
PC	Phone Control/Access
PT	Pointing or Typing Aid
PW	Portable Writing
RE	Recreation
SA	Speech Aid
SI	Signing
SS	Speech Synthesizer
ST	Speech Therapy (not Language Therapy)
SV	Screen (Display) to Voice
TD	Telecommunication Device for the Deaf (TDD)
TE	Terminal Emulator (Special Only)
TI	Alternate Input Usable with All Software
TL	Telecommunication
TO	Alternate Display System Usable with All Software
TR	Training or Communication Initiation Aid
TW	Alternate Input Adaptable for Use with All Software (Transparent With)
VA	Voice Amplifier
VO	Vocational
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LogicMaster *(AS,ET,LS)* 3-238
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7901 Stoneridge Drive, Suite 500, Pleasanton, CA 94566
(415) 463-8822
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- Scan 300/SF *4-92*

Ability Systems Corporation
1422 Arnold Avenue, Roslyn, PA 19001
(215) 657-4338
- Proportional Keystroke Scanner *4-90*

AbleNet
Cerebral Palsy Center, Inc., 360 Hoover Street, Minneapolis, MN 55413
(612) 331-5958
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Academic Counseling & Evaluation
6007 Carolina Circle, Stocktonuz, CA 95209
(209) 957-7541
- Computerized Inventory of Basic Skills (CIBS) *4-143*

Academic Therapy Publications
20 Commercial Boulevard, Novato, CA 94947
(415) 883-3314
- Learning Skills Profile *4-147*
- Severe Discrepancy Analysis *4-151*

ACS Communications
250 Technology Circle, Scotts Valley, CA 95066
(800) 538-0742
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- Dynamate 2000 *2-50*

ACS Telecom
25825 Eshelman Av., Lomita, CA 90717
(213) 325-3055
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Adaptive Aids, Inc.
P.O. Box 57640, Tucson, AZ 85732-7640
(602) 745-8112, (800) 223-5369
- Audio Control Unit Model 112 *4-16*
- Control Unit Model 101 *4-17*
- Control Unit Model 201 *4-17*
- Head Switch *4-52*
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Adaptive Communication Systems, Inc.
994 Broadhead Road, Suite 202, Coraopolis, PA 15108
(412) 264-2288
- AllTalk *1-63*
- ControlPAC *2-48*
- HX-20 Protective Cover *3-6*
- Keyguard *3-8*
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- PhotoPAC/EvalPAC *1-71*
- ScanPAC/Epson *1-74*
- SpeechPAC/Epson *1-76*
- ToyPAC *1-33*
- Trine System (ACS) *1-80*

Adaptive Peripherals, Inc.
4529 Bagley Avenue North, Seattle, WA 98103
(206) 633-2610
- Adaptive Firmware Card *3-24*
- Adaptive Firmware Card Model G32 *4-81*
- Talking Scanner *3-279*
- Talking Unicorn *3-280*
- Talking Word Board *3-341*

Adaptive Technology, Inc.
5334 72nd Circle North, Brooklyn Center, MN 55429
(612) 560-0861
- Keylocks *3-12*
- Keyshields *3-13*

Advanced Computer Services
14 Lynne Lane, Frostproof, FL 33843
(813) 646-6622
- Deafsign *3-210*

Ady, Donald
56 Oak Ridge Avenue, Summit, NJ 07901
(201) 277-3365
- Low Vision Editor (LVE) *4-210*

AESIR Software Engineering
P.O. Box 5383, Pinedale, CA 93650
- AARON *3-307*

Affinity Micro Systems, LTD
1050 Walnut Street, Suite 425, Boulder, CO 80302
(303) 442-4840
- Tempo *4-77*

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6901 Woodley Avenue, Van Nuys, CA 91406
(800) 367-2467, (818) 785-4111
- Getting Started in Arithmetic Series (and Sam's Store) *3-223*

Alpha Software
30 B Street, Burlington, MA 01803
(617) 229-2924
- Keyworks *3-37*

American Communication Corporation
180 Roberts Street, East Hartford, CT 06108
(203) 289-3491
- Amcom C *1-89*

American Printing House for the Blind (APH)
Dept. O0686, P.O. Box 6085, Louisville, KY 40206
(502) 895-2405
- Echo Commander *4-110*
- Elementary Volume 1 - Mathematics *4-170*
- Speaking Speller *4-189*
- Speaqualizer *4-113*
- Talking Apple IIGS Owner's Guide *4-135*
- Talking Apple Literacy Kit *3-277*
- Talking Utilities for ProDOS *4-136*
- TexTalker 3.1.2 *4-114*

Amidon Publications
1966 Benson Ave., St. Paul, MN 55116
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- Computer CUP *3-205*

Ankney, Barry R.
Rural Route, Washburn, IL 61570
(309) 248-7447
- Math Scan *3-241*

Apercom Corporation
721 Linda Court, San Mateo, CA 94403
(415) 572-1464
- LimeLight *3-89*

Apple Computer, Inc.
Office of Special Education, 20525 Mariani Avenue, Cupertino, CA 95014
(408) 996-1010
- Easy Access *4-75*

Aquila Technologies Group, Inc.
1704 Moon, Northeast, Albuquerque, NM 87112
(505) 292-1212
- Soft-Touch *4-99*

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88-45 79th Avenue, Glendale, NY 11385
(718) 849-9306
- Delay Timer *1-21*
- E-Tran Scanner *1-23*
- Poc-Ett System *1-25*

Artic Technologies
55 Park Street, Suite 2, Troy, MI 48083
(313) 588-7370
- Artic Vision *3-81*
- Business Vision *4-109*
- Easy Vision *4-109*
- SynPhonix 100 *3-122*
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- SynPhonix 220 *4-128*
- Synphonix jr *3-123*

Artificial Speech Aids
2027 Read Street, #53, Omaha, NE 68112
(402) 453-6320
- Osaka Speech Aid *4-4*
- Tokyo Speech Aid *4-5*

ARTS Computer Products, Inc.
145 Tremont Street, Suite 407, Boston, MA 02111
(617) 482-8248
- Expand-a-View *3-86*
- PC Lens *3-91*
- PC Voice *3-93*

Asahel Engineering, Inc.
N.E. 820 California Street, Pullman, WA 99163
(509) 332-2205
- Asaflex Model TS *2-7*

ASIEP Education Company
3216 NE 27th, Portland, OR 97212
(503) 236-1317
- AIMstar *3-147*
- ASIEP Computer Scoring and Interpretation *3-149*
- PRE-MOD II *3-161*

Aspen Publishers, Inc.
Speech-Language 4A, 1600 Research Boulevard, Rockville, MD 20850
(301) 251-8500
- Language Stimulation Software Series *3-234*

Assembly Corner
P.O. Box 151, Maynard, MA 01754
(617) 897-7749
- Textalk *3-343*

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(800) 233-1222
- Directel *2-49*
- Electronic Artificial Larynx *1-3*
- Handset for Speech Amplification *1-4*
- Medical Alert *2-80*
- Operator Dialer *2-59*
- Raised Face-Plate *2-61*

Audio Tone Company
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BOSS (Battery Operated Speech Synthesizer) *4-125*
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(713) 988-0887

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Mouse Math *3-248*

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(616) 957-3036

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Bayman, Benjamin
3611 Abbott Avenue South, Minneapolis, MN 55410
(612) 920-1358

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Baysik Speech
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(415) 854-1772

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Beagle Bros., Inc.
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(619) 296-6400

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(800) 331-2327

Venti-Voice *1-6*

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(408) 438-5649

Mind Master *3-39*

Berkeley System Design
1708 Shattuck Avenue, Berkeley, CA 94709
(415) 540-5537

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BioMedical Laser Industries
64 E. 6400 South, Suite 235, Salt Lake City, UT 84107
(801) 266-3356

SpeechMaster *3-271*

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(619) 942-3343

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Blazie Engineering
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(301) 879-5504

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c/o Easter Seal Communication Institute, 24 Ferrand Drive, Don Mills, ON M3C 3N2 CANADA
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Blissymbol Templates *4-29*
Blissymbol Vocabulary Stamps *1-41*
Core Vocabulary *4-30*

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(602) 956-6637

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(313) 995-0604

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P.O. Box 20101, Billings, MT 59104
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Brighter Pathways Communication Symbols and Grids *1-41*

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P.O. Box 2443, South Hamilton, MA 01982
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(717) 843-5561

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Burkhart, Linda J.
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(301) 345-9152

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- Cleo Communication Board *1-42*

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Commetrics, LTD
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- R/S II Series Wireless Link *3-75*

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- CommuniTree - First and Second Editions *3-314*

CompTech Systems Design
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DECtalk *3-116*

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55 Chapel Street, Newton, MA 02158
(617) 965-5200
- DART-5000 *3-26*
- Voicescribe-1000 *3-55*
- Voicescribe-20000 *3-56*

DU-IT Control Systems Group, Inc.
8765 Township Road #513, Shreve, OH 44676
(216) 567-2906
- Armslot Switch Controller *2-7*
- Bite Switch *2-8*
- Body Switch *2-8*
- Deuce *2-48*
- Dual Tape Control *2-49*
- Dual Tongue Switch *2-14*
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- Infrared Remote Control *2-56*
- MECCA *2-57*
- Scanning Remote Control (SRC) *4-64*
- TV Game-2 *3-76*
- TVRC and TVSRC *4-65*

Dunamis, Inc.
3620 Highway 317, Suwanee, GA 30174
(404) 932-0485
- Alphabet with Tom and Andy *3-189*
- Bear Jam *3-193*
- EZ Pilot for PowerPad *3-214*
- Leo's 'Lectric Paintbrush *3-324*
- LogicMaster *3-238*
- Logo TouchTools for the PowerPad *3-239*
- MicroIllustrator *3-328*
- PowerPad *3-64*
- PowerPad Programming Kit *3-256*
- Powerpad Starter Kit for IBM-PC *4-90*
- SimpleCom I: Yes/No Communication *3-265*
- SimpleCom II: Needs/Wants Communication *3-266*

Duncan-Atwell Computerized Technologies, Inc.
1200 Salem Avenue, Hillside, NJ 07205
(201) 355-1690
- Lenical *3-236*
- Lenipen PC *3-136*

Duxbury Systems, Inc.
435 King Street, P.O. Box 1504, Littletown, MA 01460
(617) 486-9766
- Duxbury Braille Translator *3-316*

Dvorak International
11 Pearl Street, Brandon, VT 05733
(802) 247-6020
- Dvorak Keyboard Modification Programs *3-4*

Dynacomp, Inc.
1064 Gravel Road, Webster, NY 14580
(716) 671-6160
- Primer 83 *3-257*

E. David & Associates
22 Russett Lane, Storrs, CT 06268
(203) 429-1785
- H:1 Handicapped Word Games *3-300*
- H:2 Handicapped Arithmetic Flash Cards *3-224*

Early Learning, Inc.
38 North Waterloo Road, Devon, PA 19333
(215) 687-1331
- Kindermath II *3-233*

Easter Seal Systems
The National Easter Seal Society, 2023 W. Ogden Avenue, Chicago, IL 60612
(312) 243-8400
- ESS Rehabware *3-153*

EBSCO Curriculum Materials
P.O. Box 1943, Birmingham, AL 35201
(800) 633-8623
- Talking Hands *3-278*

Edmark Corporation
P.O. Box 3903, Bellevue, WA 98009
(800) 426-0856, WA (206) 746-3900
- Edmark Reading Program, Level 1 *3-212*

Education TURNKEY Systems, Inc.
256 North Washington Street, Falls Church, VA 22046
(703) 536-2310
- Modularized Student Management System (MSMS-SC) *4-148*

Educational Activities, Inc.
1937 Grand Ave., Baldwin, NY 11510
(516) 223-4666
- Core Reading and Vocabulary Development *3-208*

Educational Audiology Programs, Inc.
1077 Gilpin Street, Denver, CO 80209
(303) 777-0740
- Natural Language Processing Program *3-249*

Educational Electronic Techniques, LTD
1888 Wantagh Avenue, Wantagh, NY 11793
(800) 433-8872
- Brunswick Hospital Cognitive Assessment & Retraining *4-166*
- Keyboarding For The Dyslexic *3-230*
- Keyboarding for the Visually Limited *3-231*
- Keyboarding with One Hand *3-232*
- Visual/Perceptual Diagnostic Testing & Training Progs. *3-184*
- Voice of Help *2-83*

Educational Software Review
1400 Shattuck Ave, Suite 774, Berkeley, CA 94709
(415) 528-2788
- Magic Music Teacher *3-301*

Educomp Enterprises
191 North 650 East, Department 120, Bountiful, UT 84010
(801) 292-7102
- World of Counting *3-294*

Edutek Corporation
415 Cambridge, #4, Palo Alto, CA 94306
(415) 325-9965
- Hand/Eye Coordination Programs *3-225*

EKEG Electronics Company LTD
P.O. Box 46199, Station G, Vancouver, BC V6R 4G5 CANADA
(604) 685-7817
- Activity Board *1-16*
- Expanded Keyboard for Apple II+ and IIe *3-29*
- Expanded Keyboard for Apple Macintosh *4-83*
- Expanded Keyboard for Automatic Telephone *2-53*
- Expanded Keyboard for Commodore 64 *3-29*
- Expanded Keyboard for IBM-PC *3-29*
- Expanded Keyboards for Speak N' Spell *1-65*
- Expanded Keyboards for the Adaptive Firmware Cards *3-30*
- Expanded Keyboards for the Talking BlissApple *3-31*
- Lifestyle Personal Communicator Expanded Keyboard *1-91*
- Radio Remote Control *2-60*
- Remote Keyboard for the Apple II+ and IIe *3-46*
- Ten Key Board *3-64*

Elayo Americas, Inc.
P.O. Box 23927, Ft. Lauderdale, FL 33037
(305) 563-9400
- Magnicomp *3-326*
- MagniLink *3-90*

Electronic Information Technology, Inc.
25 Just Road, Fairfield, NJ 07006
(201) 227-1447
- PS-2000 *4-91*

Enable Software Company
2340 Martin Luther King Jr. Way, Suite B, Berkely, CA 94704
(415) 540-0389
- Enable Reader *3-85*
- Enable Writer *3-28*

Enabling Technologies Company
3102 S.E. Jay Street, Stuart, FL 33497
(305) 283-4817
- AudiBraille Computer *3-81*
- Marathon Brailler *4-121*
- Microbrailler 2400 *3-107*
- PC-Braille *3-93*
- Personal Brailler *3-109*
- TED-600 Text Embossing Device *3-110*
- Transcription Station *4-215*
- TRI-170 Braille Terminal Embosser *3-110*

EnterSet, Inc.
410 Townsend Street, San Francisco, CA 94107
(415) 543-7644
- QuickWord *3-45*

ESAM Learning Systems, Inc.
P.O. Box 309, Yachats, OR 97498
(503) 547-3684
- ESAM Learning System *4-171*
- ESAM'S Switch Training Program *4-171*

Exec Software, Inc.
201 Waltham Street, Lexington, MA 02173
(617) 862-3170
- Talking TermExec *3-97*

Expert Systems Software, Inc.
Suite 316, 2120 Crestmoor Road, Nashville, TN 37215
(615) 292-7667
- Omnibox *3-63*
- Switchmaster *3-275*
- Toy Assessor *3-284*
- Toy Scanner *3-284*

Extensions for Independence
757 Emory Street, Suite 514, Imperial Beach, CA 92032
(619) 426-8054
- Easy File Tray, Desk Organizer *2-51*
- Easy-Load-A-Diskette *3-131*
- Heyer-Abadie Modular Mouthstick *1-10*
- Modular Twin Turntable Desk *3-138*
- Motorized Easel *2-58*
- Quad-Independence Typewriter-Printer System *1-73*
- Stick-On Keylocks *3-19*
- Universal Telephone Adapter *2-69*

Fashion Able
5 Crescent Avenue, Box S, Rocky Hill, NJ 08553
(609) 921-2563

- Remote Control Sonic Switch *2-62*

Favin, David
221 Queens Drive South, Little Silver, NJ 07739
(201) 741-6439

- Audible Cursor Routine *4-204*
- Communication Programs *4-205*
- Electronic Talk Board *4-207*
- Geometric Figures and Spatial Concepts *4-173*
- Keyboarding Program with Voice Output *4-176*
- Learning the Alphabet *4-180*
- Program for Aphasics *4-187*
- Telling Time, Parts of the Face, Learning Colors *4-193*

FDLRS/South
Dade County Public Schools, 9220 Southwest 52nd Terrace, Miami, FL 33165
(305) 274-3501

- Talking Public Domain Disks *4-191*

Finally Software
4000 MacArthur Blvd., Newport Beach, CA 92663
(714) 854-4434

- LoVE *3-325*
- Talker *3-338*

First Broward Computer, Inc.
1515 University Drive, Coral Springs, FL 33085
(305) 753-2126

- Scanning Conversion Program *3-141*

First Byte, Inc.
2845 Temple Avenue, Long Beach, CA 90806
(213) 595-7006

- First Shapes *3-218*
- Kid Talk *3-322*
- Mathtalk *3-242*
- SmoothTalker *3-120*
- Speller Bee *3-272*

Fortress Scientific
61 Miami Street, Buffalo, NY 14204
(800) 268-7980

- Environmental Control System *2-53*

Foundation For Fluency, Inc.
2100 North Elston Avenue, Chicago, IL 60614
(312) 252-8800

- Edinburgh Masker *4-3*

Fred Sammons, Inc.
Box 32, Brookfield, IL 60513
(800) 323-7305

- Access-Ability Database *4-139*
- Adjustable Head Pointer *1-9*
- Arrow Mouthstick Kit *4-9*
- Clear-View Head Pointer *1-10*
- Communication Sheets *1-44*
- Fone Holder *2-54*
- Giant Push Button Telephone Adapter *2-55*
- Mouthsticks *1-11*
- See-Thru Communication Kit *4-32*
- Vacuum Wand *4-11*

Functional Resources Enterprises
2734 Trail of the Madrones, Austin, TX 78746
(512) 327-1741

- Functional Skills Screening Inventory *3-176*

Furalletech Systems, Inc.
P.O. Box 190, Liberty, IA 52358
(319) 626-6101

- Flexcom *1-67*

G-S-T Multidistrict Educational Services
P.O. Box 308, Portland, ND 58274
(701) 786-2004

- G-S-T C.A.M. *4-145*

G.A.S. International, Inc.
P.O. Box 1282, Euless, TX 76040
(800) 523-4898, TX (800) 722-6013

- Omni-Reader *4-88*

Garid, Inc.
9313 Valley View Road, Eden Prarie, MN 55344
(612) 941-5464

- Lifestyle Personal Communicator *1-91*

Grassroots Computing
P.O. Box 460, Berkeley, CA 94701
(415) 644-1855

- Video-Voice *4-117*

Green Software
12 Cornell Street, Portland, ME 04103
(207) 797-3643

- Joywriter *3-322*

Greentree Group
RD#1 Box 1044, Leesport, PA 19533
(215) 562-2284

- Find It *3-259*
- Parables Plus *3-259*
- Purposeful Patterns *3-259*
- Purposeful Symbols *3-259*
- Search! *3-259*
- Verbal Reasoning *3-259*
- What Belongs? *3-259*

Gregg/McGraw-Hill
Princeton Road, Highstown, NJ 08520
(314) 256-2300

- Keyboarding for the Physically Handicapped *3-231*

Grimaldi & James
C/O Coordinator, Special Ed. Program, 4901 E. Carson Street, Long Beach, CA 90808
(213) 420-4272

- Easy Programmer *3-317*

GW Instruments
P.O. Box 2145, 264 Msgr. O'Brien Highway, Suite 8, Cambridge, MA 02141
(617) 625-4096

- MacSpeech Lab *4-182*

Handicapped Children's Computer Cooperative Project
c/o Sherwood Center, 7938 Chestnut, Kansas City, MO 64132
(816) 363-4606

- Adventures of Jimmy Jumper - Prepositions *3-282*
- Color Find *3-202*
- Letter Find *3-236*
- Rabbit Scanner *3-260*
- Sight Word Spelling *3-265*
- Touch and Match *3-283*
- Touch and See *3-283*

Handicapped Children's Technological Services, Inc.
P.O. Box 7, Foster, RI 02825
(401) 861-6128

- Active Stimulation Programmer *1-16*
- Active Therapy System (ACTS) *4-164*
- Barrel Switch *2-7*
- Developmental Lever Control *2-12*
- Double Push Panel *2-13*
- Grasp Switch *2-16*
- Puzzle Switches *4-21*
- Single Push Panel *2-34*
- Tilt Switch *2-37*
- Timer and Counter *1-31*
- Touch Sensitive Joystick Control *2-38*

Hanley Associates
1750 West Jarvis Avenue, Chicago, IL 60626
(312) 262-9531

- No-Touch *2-58*

Harding & Harris, Inc.
P.O. Box 1599, Orem, UT 84057
(801) 224-2014

- Automated IEP System and Professional Goal Banks *3-150*
- Hypernasality *3-155*
- Sound Search II *3-162*

Hartley Courseware, Inc.
133 Bridge St., Dimondale, MI 48821
(517) 646-6458

- Cognitive Rehabilitation Series *3-199*
- Remedial Secondary or Adult Education Programs *3-262*
- Special Education (Elementary): Paks for Special Needs *3-269*

Hauck, David
866 North Church, Jacksonville, IL 62650
(217) 243-1020, (217) 245-4101

- Math Decathlon *4-182*
- Printer Control Program *4-112*

Help Me to Help Myself Communication Aids
342 Acre Avenue, Brownsburg, IN 46112
(317) 852-4427

- Help Me to Help Myself *1-47*

Hennepin Technical Centers
1820 N. Xenium Lane, Plymouth, MN 55441
(612) 559-3535

- A Is For Apple *4-164*
- Large Font Electric Answer Sheet I & II *4-178*
- Large Font Math Drill Series *4-179*
- Large Font Paragraph Recorder *4-179*
- Large Font Programmer *4-209*

HFB Enterprises
400 Maple Court, Herndon, VA 22070
(703) 378-1843

- Handi-Writer Version 3.51 *3-320*

Hoefer, J.J.
5200 W. 68, Shawnee Mission, KS 62208
(913) 262-7440

- Bobcat *3-195*

Honeywell Disc Instruments Subsidiary
102 East Baker Street, Costa Mesa, CA 92626
(714) 979-5300, (800) 824-3522

- quadLynx Trackball *3-44*

Hooleon Corporation
P.O. Box 201, Dept. CT, Cornville, AZ 86325
(602) 634-7515

- Enlarged Alpha & Numeric Keytops *4-76*

FlexShield Keyboard Protectors *4-76*
Touchdown Keytop Expanders *4-78*

Houghton Mifflin
P.O. Box 683, Hanover, NH 03755
(603) 448-3838
Sound Ideas *3-268*

Hugh MacMillan Medical Centre
350 Rumsey Rd., Toronto, ON M4G 1R8
CANADA
(416) 425-6220
Accularm *2-75*
Capacitive Touchplate Interface *2-10*
Dual Channel Latching Switch Interface *1-22*
Head Control for Wheelchairs *2-17*
Joystick Interface Control *2-24*

Humanities Software
P.Box 590727, San Francisco, CA 94159
(415) 759-9324
Special Education Collection *4-190*

IBM Corporation
Information Systems Group, 3113 West Beltline
Highway, Madison, WI 53713
(608) 273-5200 or 273-5292
Listen to Learn *3-238*
Speech Adapter for PC Convertible *4-127*
Writing to Read *3-295*

IBM Direct Response Operations

(800) 426-2468
IBM Personal System/2 Screen Reader *4-111*

IBM Entry System Division
11400 Burnett Road, Austin, TX 78758
(512) 823-2252
IBM Augmented Phone Services *4-209*
Voice Communications Option *3-53*

Icon Peripherals
2901 Independence Avenue South, St. Louis
Park, MN 55426
(612) 933-7986
Response Optimizer *3-140*

IEP
Route 671, Box 546, Fork Union, VA 23055
(800) 237-5360, VA (804) 842-2000
Basic Skills Reporting System *4-140*
IEP System *4-146*
Minimum Competency Program Writer *4-147*
Special Education Reporting System *4-153*

Imaginart Communication Products
25680 Oakwood Street, P.O. Box 1868, Idyllwild,
CA 92349
(714) 659-5905
Eye-Com Board *1-46*
Pick 'N Stick Color Packs *4-31*
Pocket Picture Holder *4-32*
Touch 'N Talk Communication Board *1-58*
Touch 'N Talk Communication Notebook *1-58*
Touch 'N Talk Communication Stickers *1-59*
Touch 'N Talk Micros *1-59*
Unipix *1-60*

Inmar, Inc.
1223 Peoples Avenue, Troy, NY 12180
(518) 271-6685
echoBOX *4-83*

Innocomp
Innovative Computer Applications, 33195
Wagon Wheel, Solon, OH 44139
(216) 248-6206
Say-It-All and Say-It-All Super Plus *1-73*
Say-It-All II and II Plus *4-39*
Say-It-Simply Plus *4-39*

Institute on Technology, Children's Hospital
Fegan 9, The Children's Hospital, 300
Longwood Avenue, Boston, MA 02115
(617) 735-7870
Portable DECtalk *4-126*

Instructional/Communications Technology, Inc.
10 Stepar Place, Huntington Station, NY 11746
(800) 225-5428
Cloze-Plus Program *3-199*
Comprehension Power Program *3-203*
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PAVE: Perceptual Accuracy/Visual Efficiency Training *3-251*
Processing Power Program *3-258*
Reading Around Words Program *3-261*
Visagraph Eye-Movement Recording System *3-183*
Word Memory Programs *3-293*

Integrated Microcomputer Systems, Inc.
#2 Research Place, Rockville, MD 20850
(301) 948-4790, TDD (301) 869-6391
UNI-PTC TDD *4-216*

Interface Systems
P.O. Box 20415, Portland, OR 97220
(503) 256-3214
Freedom 1 *3-86*

International Marketing Services, Inc.
11 Siesta Lane, Port Richey, FL 33568
(813) 842-3231
Beamscope II *3-82*
Compu-Lenz *3-84*

Interstate Printers and Publishers
19 North Jackson Street, P.O. Box 50, Danville,
IL 61834
(217) 446-0500
Computer Analysis of Phonological Processes (CAPP) *4-142*
Computer Graphics for the Photo Articulation Test *4-159*

Interstate Voice Products
1849 W. Sequoia Avenue, Orange, CA 92668
(714) 937-9010
VocaLink Cellular Module *2-70*
VocaLink CSRB-LC *3-50*
VocaLink Series 4000 *3-51*
VocaLink SYS300 *3-51*
VocaLink VRT300 *3-52*

Intex Micro Systems Corporation
725 South Adams Road, Suite L8, Birmingham,
MI 48011
(313) 540-7601
ICOMM *1-68*
Intex-Talker *3-118*
SpeechAid *1-76*
Talker II *4-40*

ITT Information Systems
2350 Qume Drive, San Jose, CA 95131
(408) 945-8950
Voice Communications System *3-54*

J B Software
5813 Castano Drive, San Jose, CA 95129
(408) 996-9630
Logo Learning with Numbers *4-181*
Logo Learning with Words *4-181*

J. A. Preston Corporation
60 Page Road, Clifton, NJ 07012
(800) 631-7277, (201) 777-2700
Adjustable Head Pointer *4-9*

J. Jordan & Associates
1127 Oxford Court, Neenah, WI 54456
(414) 725-9046
Control Without Keyboards *3-315*

Jim's Instrument Manufacturing, Inc.
3703 Rohret Road, Iowa City, IA 52240
(319) 351-3429
Model I Light Pointer *4-10*
Model II Light Pointer with Headstick *4-10*
Model III Headstick *4-10*

Jones, Matthew
P.O. Box 82729, Fairbanks, AK 99708
One Handed Typing *3-250*

Josten's Learning Systems
800 E. Business Center Drive, Mt. Prospect, IL
60056
(312) 296-0510
Ufonic Voice System *3-124*

K Talker Sales
P.O. Box 909, Port Townsend, WA 98368
(206) 385-7910
K Talker *3-87*

Kalashian, Al
3234 South Villa Circle, West Allis, WI 53227
(414) 327-4051
Speller Teller *1-27*

Kansys, Inc.
1016 Ohio Street, Lawrence, KS 66044
(913) 842-4016
PROVOX *3-95*

Kay Elemetrics Corporation
12 Maple Avenue, Pine Brook, NJ 07058
(201) 227-2000
Laryngograph *4-180*
Nasometer *4-186*
Visi-Pitch Model 6095 *3-288*

Kennedy Memorial Hospital for Children Education Dept.
30 Warren Street, Brighton, MA 02135
(617) 254-3800, ext. 189
Kennedy Handi-Math Program *3-229*
Kennedy Switch Key Software *3-136*

Kenwood USA
2201 East Domingos Street, Long Beach, CA
90810
(213) 639-9000
Short Wave Computer Interface Unit *4-213*

Key Tronic
P.O. Box 14687, Spokane, WA 99214
(800) 262-6006, WA: (509) 928-8000
Key Tronic Plug-Compatible Keyboards *3-7*
Speech Recognition Keyboard *3-48*

Kidaview Software, Inc.
P.O. Box 98, Warner, NH 03278
(603) 927-4428

Kidaview *4-177*
Kidaword *4-178*

Kinetic Designs, Inc.
4113C Bridgeport Way, Tacoma, WA 98466
(206) 565-6727

Evaluate *4-159*
Filch *3-4*

Kingware
Box 1567, Nome, AK 99762
(907) 443-5603

Access-Ability *3-23*

Knight Protective Industries, Inc.
7315 Lankershim Boulevard, North Hollywood, CA 91605
(818) 765-0600, (800) 356-4448

Knight Companion *4-70*

Koala Technologies Corporation
269 Mount Herman Road, Scotts Valley, CA 95066
(408) 438-0946

Gibson Light Pen System *3-62*
KoalaPad *3-62*

Krown Research, Inc.
6300 Arizona Circle, Los Angeles, CA 94005
(213) 641-4306 (voice or TTY)

Porta Printer Plus MP20 *1-92*
Porta Printer Plus MP20D *1-93*
Porta Printer Plus MP40D *1-93*
Porta View Junior/Model 32 *1-94*
Print-A-Call *1-94*
SM85 Smart ASCII/Baudot Modem *4-45*

Kurzweil Applied Intelligence, Inc.
411 Waverly Oaks, Waltham, MA 02154
(617) 893-5151

Kurzweil Voicesystem *3-38*

Kurzweil Computer Products, Inc.
185 Albany Street, Cambridge, MA 02139
(617) 864-4700

Kurzweil Reading Machine *4-85*

KY Enterprises/Custom Computer Solutions
3039 East 2nd Street, Long Beach, CA 90803
(213) 433-5244

Apple Adaptor *3-69*
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FingerTip Controller *3-31*
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Modified Joystick *2-25*
Mouth Operated Controller for Quads *3-41*
Multi-Game Board *3-138*
Tongue Controller *3-49*

Lakeland Products
21 Birnamwood Drive, Burnsville, MN 55337
(612) 890-7123

Automatic Page Turner *2-46*

Lambert Software Company
P.O. Box 171277, San Diego, CA 92117
(619) 492-9721

KLS Cognitive Educational System *3-229*

Language Analysis Lab, Waisman Center
1500 Highland Avenue, Madison, WI 53705
(608) 263-5408

SALT (Systematic Analysis of Language Transcripts) *3-161*

Laureate Learning Systems, Inc.
110 East Spring Street, Winooski, VT 05404
(802) 655-4755

Audible Career Explorer *3-172*
Creature Antics *4-169*
Creature Chorus *4-169*
Fast Access Scan Talker *3-318*
First Categories *3-218*
First Verbs 3-219
First Words *3-219*
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Following Directions *3-221*
Following Directions: Left and Right *3-235*
Micro-LADS *3-179*
Speak Up *3-335*
Talking Pictures Series *4-191*
Twenty Categories *3-285*

Learning Tools, Inc.
686 Massachusetts Avenue, Cambridge, MA 02139
(617) 864-8086

Individualized Planning System *3-157*

Lehigh Valley Easter Seal Society
2200 Industrial Drive, Bethlehem, PA 18017
(215) 866-8092

Five Choice Toy Program *4-173*
Numberswitch *4-186*
Play and Match *4-187*
Talking With Your Touch Window *4-192*
Voice Activated Graphics *4-195*

Life Science Associates
1 Fenimore Road, Bayport, NY 11705
(516) 472-2111

Apple IIe Input Adapter *3-70*
Arithmetic 1, 2, and 3 with Speech *3-191*
Cogrehab Vol. 1 *3-200*
Cogrehab Vol. 2 *3-200*
Cogrehab Vol. 3 *3-201*
Cogrehab Vol. 4 *3-201*
Keys to Success: Comp. Keybd. Skills for Blind Children *3-232*
Repeat Defeat *3-17*
Task Master *3-281*

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One Arsenal Marketplace, Watertown, MA 02172
(800) 451-0525, MA (617) 923-4141

Lifeline Emergency Response System *4-70*

Lind Electronic Design
3857 Louisiana Avenue South, St. Louis Park, MN 55426
(612) 927-6303

Prairie Power Portable IIc System *3-139*

Linear Electronics
2055 Corte del Nogal, Carlsbad, CA 92008
(800) 421-1587

Linear Alert ET-1A *2-80*

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716 17th Street, Moline, IL 61265
(800) 255-8463, IL (800) 851-8237

Automated IEP System and SCOR Goal Banks *3-150*
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365 Brassie Drive, Orlando, FL 32804
(305) 423-7547

Braille Font for MousePaint *4-204*
Illustrations *3-321*
Type-Talk *3-286*

Lovejoy Electronics
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(207) 774-9421

Lite Touch *3-38*

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8688 Tyler Boulevard, Mentor, OH 44060
(216) 255-9082

Clamp-On Bump Switch *2-11*
Cooper Rand Electronic Speech Aid *1-3*
Finger Flex Switch *2-15*
Headband Switch *2-18*
Magnetic Finger Switch *2-22*
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Maddak, Inc.
Pequannock, NJ 07440
(201) 694-0500

Adjustable Head Pointer *1-10*
Air Switch Kits *2-6*
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Mouth Held Page Turners *1-11*
Page Turner *2-60*
Plate Switch *2-28*
Puff'N Buzzer Switch *2-81*
Squeeze Type Switches *2-36*

Magellan Corporation
P.O. Box 10405, Tallahassee, FL 32302
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18518 Kenlake Place Northeast, Seattle, WA
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(206) 486-4510

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1125 Robin Way, Sunnyvale, CA 94087
(408) 736-4637

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202-11961-88th Avenue, Delta, BC V4C 3C9
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70 Estero Avenue, San Francisco, CA 94127
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Terpenning, Joseph L.
25 Rose Hill Park, Cornwall, NY 12518
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Attention: Parts, P.O. Box 53, Lubbock, TX 79408
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Texim Corporation
2701 Toledo Street, Suite 705, Torrance, CA 90503
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Titania Publications
P.O. Box 2352, Eugene, OR 97402
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Totec Company, LTD
19151 Parthenia Street, Northridge, CA 91324
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Unicorn Engineering Company
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887 Conestoga Circle, Newburg Park, CA 91303
(805) 498-1956

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103 Plaza Street, Healdsburg, CA 95488
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1395 East Dublin-Granville Road, Suite 301, Columbus, OH 43229
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P.O. Box 1676, Brookline, MA 02146

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Suite 322, U-District Building, 1107 N.E. 45th Street, Seattle, WA 98105
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Attention: Greg Turner, 33500 Van Born Road, Wayne, MI 48184
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28001 Citrin Dr., Romulus, MI 48174
(313) 946-5030

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1259 El Camino Real, Suite 275, Menlo Park, CA 94025
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WICO Corporation
6400 West Gross Point Road, Niles, IL 60648
(312) 647-7500

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Woodsmith Software
Route 3, Box 550 A, Nashville, IN 47448
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Woodstock Software Company
108 Meadowdale Court, #206, Carpentersville, IL 60110
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1125 Stewart Court, Suite D, Sunnyvale, CA 94086
(408) 730-9588

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185A LeGrand Ave., Northvale, NJ 07647
(201) 784-9700

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Xpert Software
8865 Polland Avenue, San Diego, CA 92123
(619) 268-0112

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P.O. Box 1008, Portland, OR 97207
(503) 297-1724

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